

State of Iowa

Public Drinking Water Program 2001 Annual Compliance Report



Environmental Protection Division
Water Quality Bureau
Drinking Water Supply Section

September 2002

Iowa Department of Natural Resources
Jeffrey R. Vonk, Director

Table of Contents

The Public Drinking Water Program: An Overview	1
The IDNR Drinking Water Program Components	2
Iowa's Public Water Supply Systems	3
<i>Pie Chart: Percent of State Population served by Community and Noncommunity Water Sources</i>	3
<i>Column Chart: Classification of PWSs</i>	4
Sources of Water	5
<i>Column Chart: Where PWSs Get Their Water</i>	5
<i>Column Chart: Population Using Different Sourcewater</i>	6
<i>Table: PWS size classification by Population</i>	7
<i>Column Chart: Population Served by PWS Size</i>	7
Maximum Contaminant Levels (MCLs)	8
Acute Risks to Human Health	8
Coliform Bacteria, including fecal coliforms and <i>E.coli</i>	8
Nitrate / Nitrite	9
Non-Acute Risks to Human Health	9
Total Coliform Bacteria	9
Inorganic Chemicals	10
Organic Chemicals	11
Radionuclides	12
Treatment Technique (TT) Requirements	12
Turbidity	12
Residual Disinfectant	13
CT Ratio	13
Lead/Copper Action Levels	14
MCL Data	15
<i>Table: Number of MCL/ TT violations, Number of Samples Collected, MCL/TT Percent of Samples</i>	15
<i>Table: PWSs with MCLs/TTs, PWS monitoring, Percent PWS with NO Violations, Percent Violations</i>	16
Major Monitoring & Reporting (M/R) Requirements	17
Coliform Bacteria	17
Nitrate/Nitrite	18
Inorganic Chemicals	18
Organic Chemicals	18
Radionuclides	18
Turbidity, Residual Disinfectant, and CT Ratio	19
Lead / Copper	19
<i>Table: Types of Various M/R Violations</i>	19
<i>Table: PWSs with M/Rs, PWS monitoring, Percent PWS with NO Violations, Percent Violations</i>	20

Enforcement Actions for MCL, TT, or AL Violations	22
<i>Table: Status of Enforcement Action for MCLs</i>	24
Enforcement Actions for M/R Violations	24
<i>Table: Status of Enforcement Action for M/Rs</i>	26
<i>Table: Status of Enforcement Action for CCRs</i>	26
Variances and Exemptions	27
Public Notification, Public Education and Consumer Confidence Report	27
MCL Exceedance	28
M/R Violation	28
Lead Action Level Exceedance Public Education	28
Consumer Confidence Reports	28
<i>Table: Number of CCR Violations</i>	29
Operator Certification Program	29
Classification of Systems, Facilities, and Operators	29
<i>Table 1: Classification of Systems, Facilities, and Operators</i>	29
<i>Table 2: Number and Class of Treatment Plant and Distribution Systems</i>	29
<i>Table 3: Estimated Number of Potential Temporary Certificates</i>	30
Operator Qualifications	
<i>Table 4: Number and Class of Operators with Active Distribution Certificates</i>	30
<i>Table 5: Number and Class of Operators with Active Water Treatment Certificates</i>	30
Enforcement	30
Certification Renewal	30
Trends In Compliance	31
<i>Line Graph: Percent of PWSs in Compliance with MCLs over a 5-year Period</i>	31
<i>Line Graph: Percent Compliance with PN Requirements</i>	32
MCL Violations and PWSs	32
<i>Line Graph: Number of PWSs with MCL/TT Violations over a 5-year Period</i>	32
<i>Line Graph: Acute Coliform Bacteria MCLs over a 5-year Period</i>	33
<i>Line Graph: Non-Acute Coliform Bacteria MCLs over a 5-year Period</i>	34
<i>Line Graph: Nitrate MCLs over a 5-year Period</i>	34
<i>Line Graph: Nitrite MCLs over a 5-year Period</i>	35
M/R Violations and PWSs	36
<i>Line Graph: Number of PWSs with M/R Violations over a 5-year Period</i>	36
Abbreviations	37
Distribution of this Report	38
Table A: Violations Summary Report	39

Legend to Table B	46
Table B	47
Contact Information	88

The Public Drinking Water Program: An Overview

To more clearly understand this report, definitions are needed. Also in this report numerous abbreviations, such as PWS for Public Water Supply and MCL for Maximum Contaminant Level, are used. For the benefit of the reader, the first time an abbreviation is used, it is defined. Thereafter, only the abbreviation will be used. For further assistance, these are listed at the end of this report.

The United States Environmental Protection Agency (EPA) established the Public Water System Supervision (PWSS) Program under authority of the 1974 Safe Drinking Water Act (SDWA) and subsequent amendments.

- EPA sets national limits on allowable contaminant levels in public drinking water supplies (PWSs) to ensure the water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs).
- For some contaminants, EPA establishes Treatment Techniques (TTs) or Action Levels (AL) in lieu of an MCL to control unacceptable levels of contaminants in public drinking water.
- EPA also regulates how often PWSs must monitor for contaminants and requires those monitoring results be reported to the state.
- EPA requires PWSs to notify the public they serve when violations of the drinking water regulations occur. Public notification must include a clear and understandable explanation of the nature of the violation, potential adverse health effects resulting from the violation, steps the PWS is taking to correct the violation, and the availability and necessity of using alternative water supplies until the violation is corrected.

The SDWA applies to all 50 States, the District of Columbia, Native American Indian Lands, Puerto Rico, the Virgin Islands, American Samoa, Guam, the Commonwealth of the Northern Mariana Islands and the Republic of Palau.

The SDWA allows States and Territories to seek EPA approval to administer the PWSS Program within their state or territory, which is called primacy. To receive primacy, States must meet certain requirements set forth in the SDWA regulations, including adoption of drinking water regulations which are at least as stringent as federal regulations, and demonstrate that the state or territory can enforce the program requirements. Of the states and territories, all but Wyoming and the District of Columbia have primacy. The EPA Regional Offices administer the PWSS programs within those two jurisdictions.

Native American Indian Tribes must meet the same requirements as a state in order to receive primacy. The three PWSs operated by Native American Indian Tribes in Iowa have not received primacy, and are monitored directly by EPA. These three PWSs are the: Winn-A-Vegas Casino in Sloan, Iowa, located in Woodbury County; CasinOmaha in Onawa, Iowa, located in Monona County; and, Sac & Fox Community in Tama, Iowa, located in Tama County.

EPA regional offices report to the states any enforcement actions taken by EPA within their jurisdiction. All SDWA data for a state is stored in an automated database called the Safe Drinking Water Information System (SDWIS). This database currently contains an inventory of PWSs, violation records and individual analytical results.

The IDNR Drinking Water Program Components

The seven basic components of the department's drinking water program are as follows:

On-Site Inspection. Each of the six state field offices:

- conducts site surveys for well and treatment facility placement,
- inspects every PWS in the state at least every five years, which includes examination of the operation and maintenance of the PWS system,
- provides technical assistance to water supply operators,
- responds to complaints from the public, and
- provides emergency response to spills that may threaten the water resources.

Operation Permit. The central office:

- issues the operation permits for each PWS at least every three years, which specify the individual monitoring and operation requirements,
- monitors the compliance by each PWS with the drinking water program requirements,
- prepares violation notices, compliance schedules and enforcement actions when necessary, and
- provides technical assistance to the PWS.

Construction Permit. The central office:

- issues construction permits for PWS projects,
- reviews preliminary engineering reports, viability assessments and source water protection plans, and
- assists PWSs and consulting engineers in various treatment technologies for specific water quality problems.

Water Use Permit. The central office:

- allocates and tracks the withdrawal of water from Iowa's aquifers and surface waters,
- issues and renews water use permits that are effective for ten years, and
- reviews water conservation plans.

Drinking Water and Wastewater Operator Certification. The central office:

- certifies operators that successfully complete a written exam, and
- renews certification of operators that earn continuing education units,

Environmental Laboratory Certification. The central office:

- certifies laboratories that analyze samples , and
- contracts with the University Hygienic Laboratory to inspect environmental laboratories every two years and check the accuracy of annual proficiency testing samples.

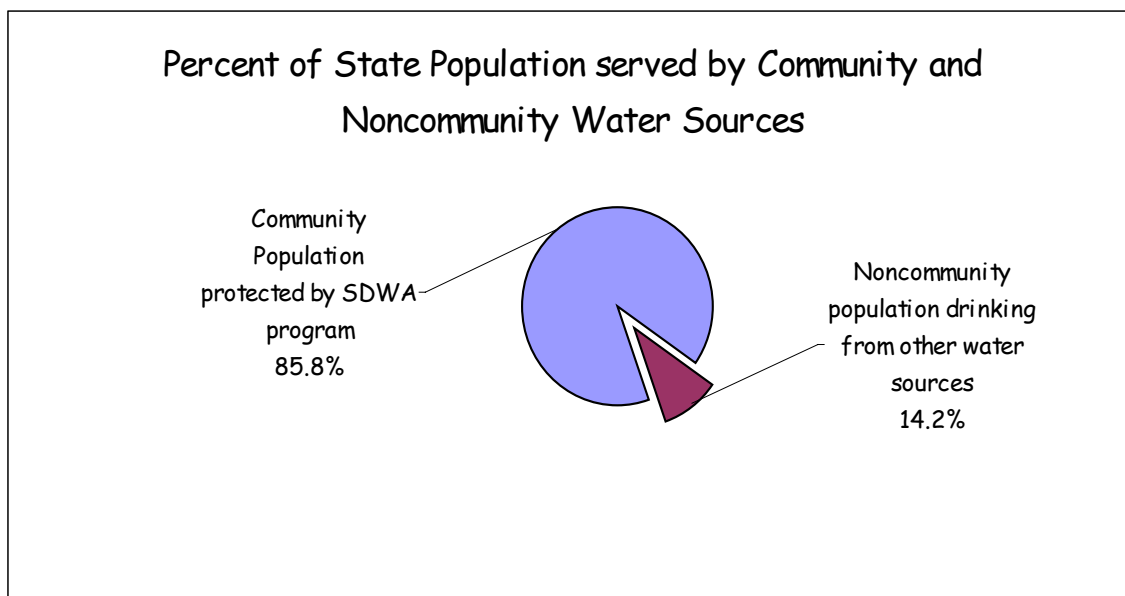
Drinking Water State Revolving Loan Program. The central office:

- makes loans to drinking water systems for construction of drinking water sources, treatment, storage and distribution systems to ensure public health and provide safe drinking water,
- makes loans for implementation of source water protection projects,
- scores and ranks applications based on whether the projects addresses health risks, rule compliance, infrastructure needs, and source water protection including criteria for loan eligibility.

Iowa's Public Water Supply Systems

The SDWA program regulates public water supplies (PWSs). A PWS system is a system that provides water to the public for human consumption. The system must have at least 15 service connections or regularly serve an average of at least 25 individuals daily at least 60 days out of the year. An example of a system that does not meet the definition of a public water supply would be a well serving three or four homes, with fewer than 25 persons.

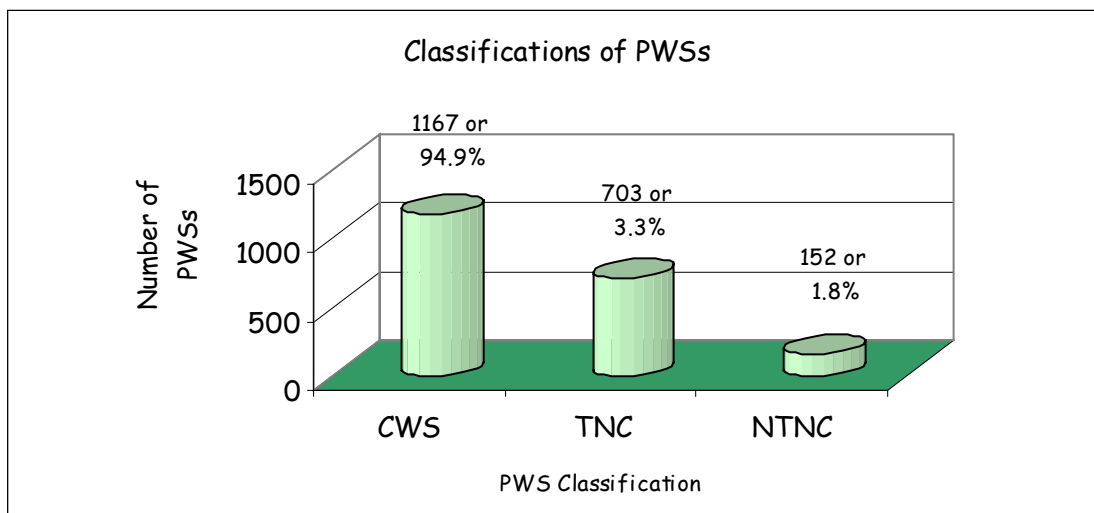
The 2000 United States Census recorded a population of 2,926,324 in Iowa. Community water systems in Iowa serve a population of 2,509,984. This represents 85.8% of the total state population consuming regulated drinking water.



A PWS is either a community water system or a noncommunity water system.

- A community water system (CWS) is a PWS that meets the above definition for year-round residents. Examples of CWSs include municipalities, subdivisions, and mobile home parks.
- Noncommunity water systems are of two types:
 - A nontransient noncommunity water system (NTNC) is a public water system that regularly serves at least 25 of the same people four hours or more per day, for four or more days per week, for 26 or more weeks per year. Examples of NTNCs are schools, day-care centers, factories, and offices. Other service-oriented businesses, such as hotels, resorts, hospitals, and restaurants, are classified as NTNCs if they employ 25 or more people and are open for 26 or more weeks of the year.
 - A transient noncommunity water system (TNC) is a PWS other than a CWS or NTNC that regularly serves at least 25 individuals daily at least 60 days out of the year. Examples of TNCs are convenience stores, bars, and restaurants with fewer than 25 employees, golf courses, camps, parks, and recreation areas.

The chart below shows the number and percentages of each classification of PWS. This shows that 94.9 percent of the regulated public water systems are CWSs, 3.3 percent are TNCs, and 1.8 percent are NTNCs.



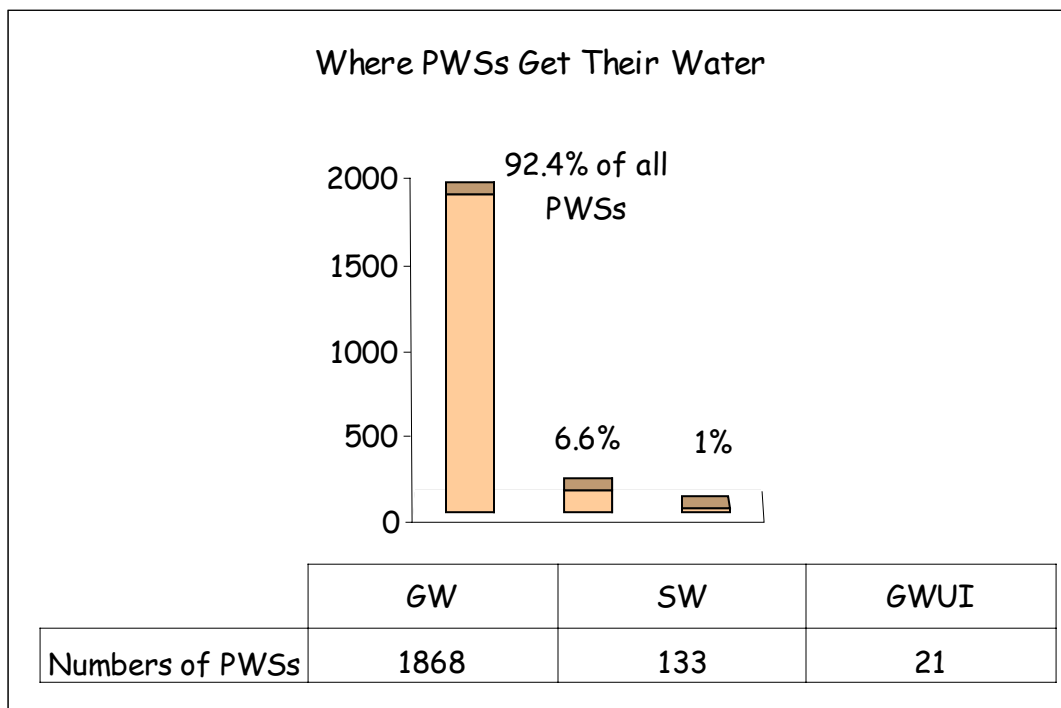
Sources of Water

Water for Iowa's drinking purposes is obtained from three sources:

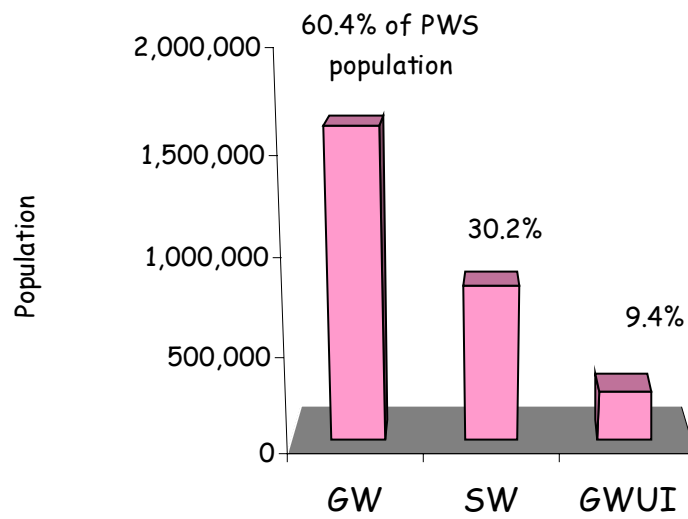
- ground water (GW) such as deep or shallow wells
- surface water (SW) such as rivers and reservoirs
- ground water under the direct influence of surface water (GWUI) as determined through testing by the presence of insects, bacteria, algae, pathogens, and/or significant and relatively rapid shifts in physical and chemical water characteristics.

Since a PWS can use any combination of water sources in its system, the PWS is classified by the source which is most vulnerable to contamination. Most PWSs utilize GW as a source of drinking water and the smallest number of PWSs have GW that is under the influence of some sort of surface runoff or surface source.

The chart below shows that the largest number of people drink GW as a source of drinking water, and that the smallest number of people drink GW under the influence of some sort of surface runoff or surface source. The population cited in the bar chart is the total number of people being served for that source listed on the department's inventory.



Population Using Different Sourcewater

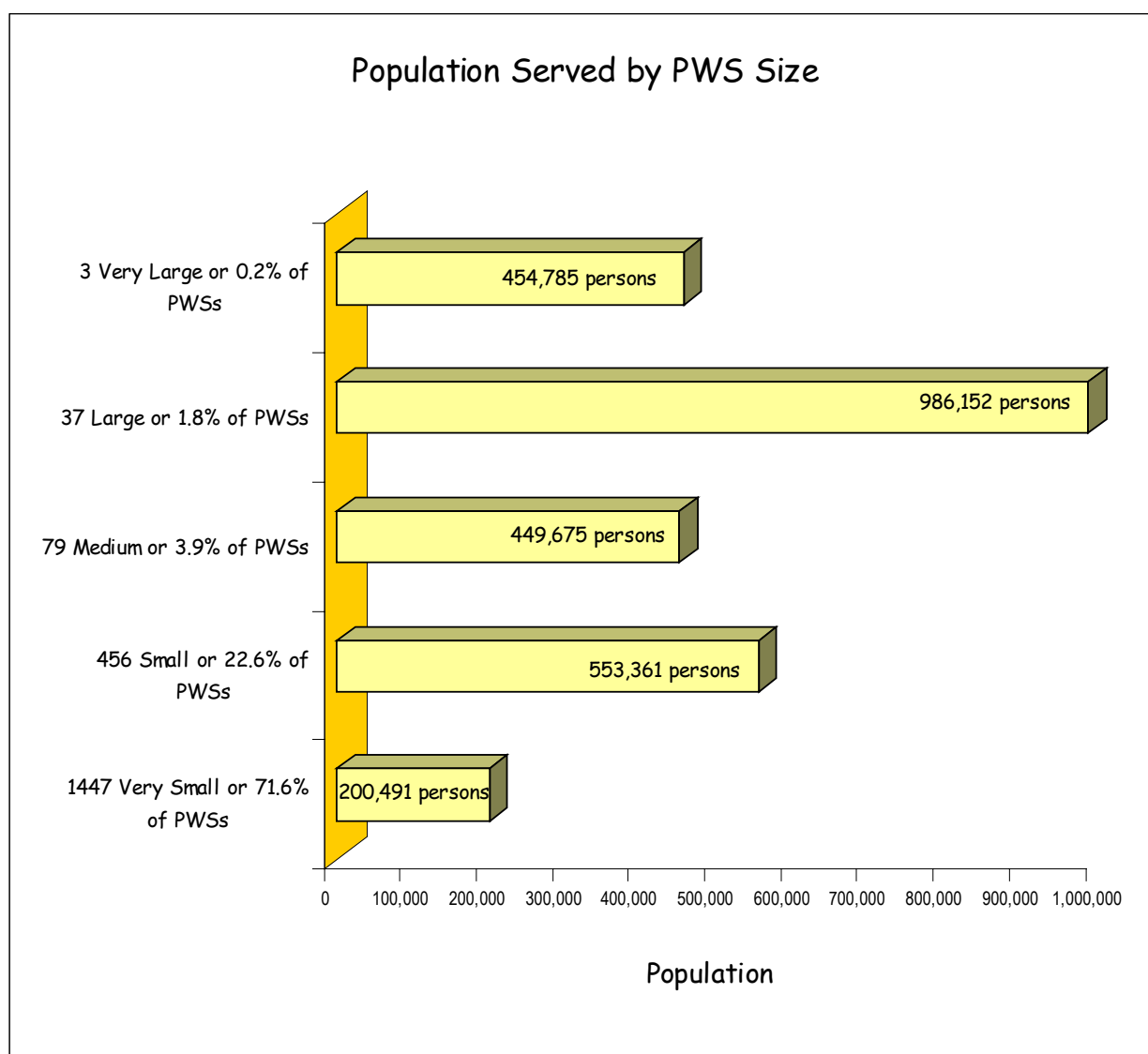


	GW	SW	GWUI
PWS Population	1,597,854	798,797	247,813

Water systems are also classified according to the number of people they serve:

Description	Size of Population Served
Very Large Water System	> 100,000
Large Water System	10,001 - 100,000
Medium Water System	3,301 - 10,000
Small Water System	501 - 3,300
Very Small Water System	25 - 500

The chart below shows that 37 PWSs serve the largest number of persons. Based on the table before, these 37 PWSs are classified as Large, and they represent 1.8% of the total number of PWSs. This also shows that 1447 PWSs serve the smallest number of persons and they represent 71.6% of the total number of PWSs.



The definitions of terms and enforcement actions listed in the following sections are from the Iowa Administrative Code (IAC) (455B).

Maximum Contaminant Levels (MCLs)

Acute Risks to Human Health:

There are four contaminants that may pose an immediate, or acute, risk to human health if they are found in drinking water. First are two microbial components (fecal coliforms or *E. coli*) and the other two are inorganic compounds (nitrate or nitrite). The presence, by degree, of any other contaminant is considered to have a long-term effect on human health. The Maximum Contamination Level allowable in a sample is listed in the table following this discussion.

Coliform Bacteria, including fecal coliforms and *E. coli*---567 IAC 41.2(1)

Acute MCL: When total coliforms are present in any sample, that sample is also analyzed for fecal coliform or *E. coli*. Any fecal coliform-positive repeat sample or *E. coli*-positive repeat sample, or any total coliform-positive repeat sample following a fecal coliform-positive or *E. coli*-positive routine sample is a violation of the MCL for total coliforms. Under this standard, all drinking water samples must be free of these bacteria.

Source of Contamination: Total coliforms are common in the environment and are generally not harmful themselves. Fecal coliforms and *E. coli* are generally not harmful themselves, but their presence in drinking water is serious because they usually are associated with sewage or animal waste. The presence of these bacteria in drinking water generally is a result of a problem with water treatment or the pipes which distribute the water, and indicates that the water may be contaminated with organisms that can cause disease (pathogens).

Health Effects: At greatest risk are children, pregnant women, infants, elderly persons, and persons with compromised immune systems. Disease symptoms may include diarrhea, cramps, nausea, headaches, and fatigue. Chlorination of the drinking water will provide disinfection. Boiling water in the home is also an effective method of sterilizing the drinking water. Drinking water that meets this standard is associated with little or none of this risk and should be considered safe with respect to these contaminants.

Out of Compliance: A PWS is out of compliance when the MCL is exceeded in any one compliance period assigned either as a monthly or quarterly (by calendar) requirement. A violation of the acute coliform bacteria MCL is considered an acute violation and public notification must be issued within 72 hours after IDNR notification of the violation.

Compliance Achieved: A violation is considered to be "compliance achieved" when:

- continuing test results are below the MCL for a period of 6 consecutive months.

Nitrate/Nitrite---567 IAC 41.3

Acute MCL: The MCL for Nitrate is 10 milligrams per liter (mg/L) as N (nitrate) and the MCL for Nitrite is 1 milligram per liter (mg/L) as N.

Source of Contamination: Nitrates may result from the natural decay of organic materials such as leaves and crop residue, use of commercial fertilizers, and in human sewage and wastes from farm animals.

Health Effects: Excessive levels of nitrate and nitrite in drinking water have caused serious illness and sometimes death in infants under six months of age. Nitrate converts to nitrite, which interferes with the oxygen-carrying capacity in the child's blood (methemoglobinemia). This is an acute disease because symptoms can develop rapidly in infants. In most cases, health deteriorates over a period of days. Symptoms include shortness of breath and blueness of the skin. Clearly, expert medical advice should be sought immediately if these symptoms occur. Boiling the water will only concentrate nitrates in drinking water, and should not be attempted. Alternative sources of water should be used, such as Food and Drug Administration (FDA) approved bottled drinking water with low levels of nitrate clearly listed on the packaging. Drinking water that meets the standard is associated with little risk to health and is considered safe with respect to these contaminants.

Out of Compliance: A PWS is out of compliance when the MCL is exceeded in any one compliance period, assigned either as a monthly, quarterly, or yearly (by calendar) requirement. A violation of the nitrate or nitrite MCL is considered an acute violation and public notification must be issued within 72 hours after IDNR notification of the violation.

Compliance Achieved: A violation is considered to be "compliance achieved" when:

- the average of a confirmation sample result and the original sample is less than the MCL,
- or
- the monthly results for 6 consecutive months are below the MCL.

Non-Acute Risks to Human Health:

Total Coliform Bacteria---567 IAC 41.2(1)

Non-Acute MCL: The MCL is determined by the presence or absence of total coliforms in a sample. Any coliform-positive routine or repeat sample that also is negative for fecal coliforms or *E. coli* constitutes a non-acute MCL based on the following criteria:

- If a routine sample is total coliform-positive, the PWS must collect a set of repeat samples within 24 hours of being notified of the positive result. This will verify the initial result and provide statistical background for the determination of an MCL.
- For a PWS which collects 40 samples or more per month, no more than 5.0 percent of the samples collected during a month may be total coliform-positive.
- For a PWS, which collects less than 40 samples per month, no more than one sample collected during a month may be total coliform-positive.

Source of Contamination: Total coliforms are common in the environment and are generally not harmful themselves, but their presence in drinking water is serious because it indicates a pathway of contamination. The presence of these bacteria in drinking water generally is a result of a problem with water treatment or the pipes which distribute the water, and indicates that the water may be contaminated with organisms that can cause disease (pathogens).

Health Effects: At greatest risk are children, pregnant women, infants, elderly persons, and persons with compromised immune systems. Disease symptoms may include diarrhea, cramps, nausea, headaches, and fatigue. Chlorination of the drinking water will provide disinfection. Boiling water in the home is also an effective method of sterilizing the drinking water. Drinking water that meets the standard is associated with little risk to health and is considered safe with respect to these contaminants.

Out of Compliance: A PWS is out of compliance when the MCL is exceeded in any one compliance period assigned either as a monthly or quarterly (by calendar) requirement.

Compliance Achieved: A violation is considered to be "compliance achieved" when:
- continuing results are below the MCL for a period of 6 consecutive months.

Inorganic Chemicals---567 IAC 41.3

Non-Acute MCL: Compliance with the MCL is generally determined using the average annual concentration of four quarterly results. This average result is compared to the maximum allowable concentration of the inorganic contaminant in a sample, and is measured in milligrams per liter (mg/L).

Source of Contamination: Inorganic contaminants generally leach into drinking water after dissolving from naturally occurring minerals in the ground, or from leaching and runoff from industry and landfills.

Health Effects: If the MCL is exceeded for any of the inorganic contaminants, it means that a long-term risk to health is possible. These chemicals may damage organs such as the kidneys and liver, damage the cardiovascular system, which can cause heart damage, and are sometimes associated with high blood pressure and cancer. High levels of fluoride may cause dental mottling (fluorosis) of the teeth.

Out of Compliance: Generally, a PWS is out of compliance when the running 4-quarter average exceeds the MCL, or if a confirmation sample is collected and the average of the two values exceeds the MCL for that analyte.

Compliance Achieved: A violation is considered to be "compliance achieved" when:
- the running average for 4 consecutive quarters is below the MCL.

Organic Chemicals---567 IAC 41.5

VOC/SOC: Organic chemicals are either classified a volatile organic chemical [VOC] or synthetic organic chemical [SOC].

Non-Acute MCL: Compliance with the MCL is generally determined using the average annual concentration of four quarterly results. This average result is compared to the maximum allowable concentration of the organic contaminant in a sample, and is measured in milligrams per liter (mg/L).

- Unregulated VOCs and SOCs

Community water systems and nontransient noncommunity water systems monitor for unregulated contaminants at IDNR's discretion, and particularly if the PWS is found to be vulnerable to contamination from organic chemicals. Contaminants are normally classified as unregulated when there are no MCLs established by EPA.

The EPA Health Advisory (HA) for lifetime exposure is defined as the concentration of a chemical in drinking water that is not expected to cause any adverse, noncarcinogenic effects over a lifetime of exposure, with a margin of safety. The lifetime HA is used for unregulated contaminants when an MCL is not available. Exceedances of the HA for a contaminant are calculated in the same manner as the MCL for a similar compound type.

- Discretionary VOCs

Monitoring for these compounds is only required at the discretion of the IDNR:

Sources of Contamination: Organic contaminants come from petroleum solvents, paint removers, degreasers, cleaning fluids, pesticides, gasoline, electrical transformers, manufacturing processes, chemical production, and the production of plastics. Agricultural runoff, improper waste disposal, and improper handling and storage techniques contribute to drinking water contamination via percolation of the contaminant through the soil into the groundwater.

Health Effects: If the MCL is exceeded for any of the organic contaminants, the exceedance represents a possible long-term risk to health. Cancer, as well as damage to the heart and liver, the nervous system, or the immune system may occur through long term exposure to these organic contaminants. Drinking water that meets the standard is associated with little risk to health and is considered safe with respect to these contaminants.

Health Advisory Exceedances: For contaminants with an established HA level, the PWS is required to conduct public notification each quarter in which the exceedance is in effect.

Out of Compliance: Generally, a PWS is out of compliance when the running 4-quarter average exceeds the MCL or HA, or if a confirmation sample is collected and the average of the two values exceeds the MCL or HA for that analyte.

Compliance Achieved: A MCL violation or HA exceedance is considered to be "compliance achieved" when:

- the running average for 4 consecutive quarters is below the MCL.

Radionuclides---567 IAC 41.8

Non-Acute MCL: Compliance with the MCL is determined using one of two methods:

- If a PWS collects a composite sample (4 quarterly samples combined into one sample before analysis), this "averaged" result is compared with the MCL for that contaminant.
- If a PWS collects a "grab" sample (a single sample collected once each 4 years), this result is compared with the MCL for that contaminant.
- Radionuclide levels are measured in either picocuries per liter (pCi/L) or as a dose in millirems per year (mrem/yr).

Initially, a composite sample is generally used in lieu of having four separate quarterly samples analyzed individually. The composite sample consists of four samples, each of which is collected in a specific quarter during a 4-quarter period. These 4 samples are then combined into one sample, and analyzed for radionuclide content. If the results of that composite sample exceed the MCL, it is a non-acute MCL violation requiring quarterly public notification.

Source of Contamination: Radionuclides (alpha emitters) occur naturally in certain ground waters in the state, particularly in the deeper aquifers. Beta emitters are usually the result of manmade sources or activities.

Health Effects: If the MCL is exceeded for any of the radionuclide contaminants, it represents a possible long-term risk to health from cancer. Drinking water that meets the standard is associated with little risk to health and is considered safe with respect to these contaminants.

Out of Compliance: A PWS is out of compliance when either the grab sample result or the composite average results exceed the MCL.

Compliance Achieved: A violation is considered to be "compliance achieved" when:

- the running average for 4 consecutive quarters is below the MCL.

Treatment Technique (TT) Requirements

EPA established treatment techniques in lieu of MCLs to control unacceptable levels of some contaminants. If a PWS exceeds the turbidity limit, does not meet the residual disinfectant requirements, or does not meet the disinfection concentration ratio (CT Ratio), that PWS incurs a treatment technique violation.

Turbidity---567 IAC 43.5

Treatment Technique: The treatment technique requirements for turbidity are applicable to community and noncommunity PWSs using surface water or groundwater under the direct influence of surface water in whole or in part. For PWSs using conventional or direct filtration, the turbidity level of representative samples of a PWS's filtered water must be less than or equal to 0.5 nephelometric turbidity units (NTU) in at least 95% of the measurements taken each month, with no single sample result exceeding 5 NTU's. Violation of the turbidity standard is a treatment technique violation.

Sources of Contamination: Turbidity, or cloudiness, of drinking water is a measure of the minute particles suspended in the water that can interfere with disinfection and testing for bacteria. It can also prevent maintenance of an effective disinfectant residual throughout the distribution system.

Health Effects: Turbidity has no health effects. However, turbidity may indicate the presence of disease-causing organisms such as bacteria, viruses and parasites such as *Giardia lamblia* and *Cryptosporidium* that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Out of Compliance: A PWS is out of compliance when the treatment technique levels are exceeded in any one month.

Compliance Achieved: A violation is considered to be "compliance achieved" when turbidity results are consistently below the MCL standards. It may take several months to a year for a PWS to be returned to compliance.

Residual Disinfectant---567 IAC 43.5

All PWSs using a surface water source or a groundwater source under the direct influence of surface water must provide disinfection to provide inactivation or removal of 99.9% *Giardia lamblia* cysts and 99.99% viruses. The chlorine residual in drinking water is a measure of the amount of available chlorine in the water. It also allows the maintenance of an effective disinfectant agent throughout the PWS's distribution system.

- The disinfectant entering the distribution system cannot be lower than 0.3 mg/L free residual chlorine for more than 4 hours.
- The disinfectant within the distribution system, measured as total chlorine, combined chlorine, or chlorine dioxide, cannot be undetectable in more than 5% of the samples each month for any 2 consecutive months. This also applies to heterotrophic plate counts (HPCs) which could be done in lieu of disinfectant monitoring. The HPC must be less than or equal to 500 colony forming units per milliliter of sample in order to have acceptable disinfectant residual.

CT Ratio---567 IAC 43.5

All PWSs using a surface water source or a groundwater source under the direct influence of surface water must determine their CT value on a daily basis.

- The CT in drinking water is determined by multiplying the disinfectant concentration by the amount of time that the disinfectant is in contact with the water. Each system must achieve a specific CT prior to the treated water entering the water distribution system. The amount of CT required depends on water quality parameters, which include the pH and temperature of the water.
- Insufficient CT can allow disease-causing organisms such as *Giardia lamblia* or viruses to survive and thereby be distributed throughout the system.

Health Effects: CT has no health effects. However, insufficient CT levels can allow disease-causing organisms that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches to survive and enter the distribution system.

Out of Compliance: A PWS is out of compliance with the treatment technique standard when the CT ratio or residual disinfectant requirement is insufficient. If a PWS continues to experience treatment technique violations, that PWS is required to make modifications to the treatment process to achieve compliance.

Compliance Achieved: A violation is considered to be "compliance achieved" when the CT ratio is sufficient and the residual disinfectant requirements have been met. The violation could be returned to compliance in the following month, or the time period could be longer, depending upon the action needed to correct the violation.

Lead/Copper Action Levels---567 IAC 41.4

Action Level Exceedance: Lead and Copper have action levels (AL) rather than an MCL or TT standards. Compliance with the action level is based upon the number of samples collected. The lead action level is exceeded if the concentration of lead in more than 10 percent of tap water samples collected during any monitoring period is greater than 0.015 mg/L (i.e., if the "90th percentile" lead level is greater than 0.015 mg/L). The copper action level is exceeded if the concentration of copper in more than 10 percent of tap water samples collected during any monitoring period is greater than 1.3 mg/L (i.e., if the "90th percentile" copper level is greater than 1.3 mg/L). If the action level at the 90th percentile is exceeded for either lead or copper, it represents a long-term risk to health.

Source of Contamination:

- Lead is a common metal found in lead-based paint, household dust, and certain types of pottery, porcelain, and pewter. It can be found in drinking water due to leaching from lead pipes, from lead solder on indoor plumbing, or from brass faucets and fixtures.
- Copper is often used to plumb residential and commercial structures that are connected to water distribution systems. Leaching of copper from these sources can result in contamination of the drinking water.

Health Effects:

- Lead builds up in the body over many years and can cause damage to red blood cells and kidneys, as well as damage to the brain, causing mental retardation.
- Copper at high levels can cause stomach and intestinal distress, liver and kidney damage, and anemia.
- Drinking water that meets the standard for either lead or copper is associated with little risk to health and is considered safe with respect to these contaminants.

Out of Compliance: A PWS is out of compliance when the action level is exceeded for either lead or copper in any one compliance period, assigned either as a 6-month (by calendar), annual, or triennial requirement. Once the action level is exceeded, the PWS must collect water quality parameters, develop a corrosion control treatment study, implement steps to control the corrosion in the water, and collect additional samples to demonstrate return to compliance with the action level standard.

Compliance Achieved: A violation is considered to be "compliance achieved" when the sample results for two compliance periods are under the action levels for both lead and copper. This process can take several years to accomplish due to the lengthy process of refining corrosion control processes, which is then followed by a year of sampling with results below the action level before the violation is considered to be compliance achieved.

MCL Data

91.7% of all of the regulated PWSs were in compliance with all MCLs and the TT requirements.

- 168 PWSs received MCL/TT violations for one or more contaminants.
- There were 300 MCL/TT violations issued to these PWSs, 3 TT violations plus 297 MCL violations.

Number of Violations and Total Number of Samples Collected for each Contaminant with an MCL or TT violation:

Contaminant	Number of MCL Violations	Total Number of Samples Collected	% MCL Violations #MCLs divided by Total # Samples
Coliform, Total (TCR)	178	32,755	0.54%
Coliform, Fecal (TCR)	17	7130	0.24%
Arsenic	6	370	1.62%
Lead	13	5104	0.25%
Fluoride	2	953	0.21%
Copper	20	5105	0.39%
Gross Alpha, excluding Rn & U	3	335	0.90%
Nitrate (as N)	51	3,767	1.35%
Nitrite (as N)	1	480	0.21%
Radium, Combined (226, 228)	2	218	0.92%
Total Trihalomethanes (TTHM)	4	404	0.99%
Turbidity	3	❖ (daily requirement)	❖ NA
Total	300	56,621	0.52

Examination of this table:

- Of the 32,755 total coliform samples collected, 178 exceeded the MCL for total coliform contamination. Therefore, less than 1% (actually 0.54%) of the total coliform samples collected resulted in MCL violations (178 MCLs divided by 32,755 samples collected).
 - The MCL exceedance rate for all the analytes was less than 1%, actually 0.52 (297 MCLs divided by 56,621 samples). TT violations were not used for this calculation.
- ❖ Note: When turbidity is required to be collected and reported, it is collected daily and reported on the Monthly Operation Reports. The data is not reported to the SDWIS database and is therefore not in this count of samples collected. However, 3 TT violations were created in the SDWIS database for reporting purposes.

This table depicts the MCL /TT violations in 2001 in Iowa.

Contaminant	Health Standard, or MCL level	Number of PWSs with MCLs of that analyte	Number of PWSs required to monitor for this analyte	Percent of PWSs with NO MCLs of that analyte	% Violations (# violations per analyte divided by total # violations)
Arsenic	0.05	2	1167	99.8%	2.00%
Coliform, Fecal	Presence as per 42.1 (IAC)	16	2022	99.2%	5.67%
Coliform, Total (TCR)	Presence of 2 or more samples	114	2022	94.4%	59.33%
Copper	90th Percentile exceeds 1.3 mg/L	15	1319	98.9%	6.67%
Fluoride	4.0 mg/L	1	1167	99.9%	0.67%
Gross Alpha, excluding Rn & U	15 pCi/L	2	1167	99.8%	1.00%
Lead	90th Percentile exceeds 0.015 mg/L	11	1319	99.2%	4.33%
Nitrate (as N)	10 mg/L (as nitrogen)	21	2022	99.0%	17.00%
Nitrite (as N)	1 mg/L (as nitrogen)	1	2022	99.95%	0.33%
Radium, Combined (226, 228)	5 pCi/L	2	1167	99.8%	0.67%
Total Trihalomethanes (TTHM)	0.10 mg/L	2	13	84.6%	1.33%
Turbidity	Presence as per 43.5 (IAC)	3	52	94.2%	1.00%

This chart indicates that 59.33% of all the violations issued were for total coliform, that 94.4% of the regulated PWSs were in compliance with the total coliform rule, (TCR) and that only 114 of the 2022 PWSs incurred a violation for the TCR. Any one of these PWSs could have received a violation for more than one contaminant.

Major Monitoring & Reporting Requirements

Monitoring and Reporting (M/R) Violations for this report were based on the guidelines briefly described in the next table. EPA deems these violations to be classified as major violations. Minor monitoring violations are those in which some, but not all, of the required monitoring was completed. Minor monitoring violations are not listed in this report.

Monitoring Guidelines by Rule:

Rule	Violation Type	Description
Total Coliform Rule	M/R, Major Routine	No samples collected during a compliance period
	M/R, Major Repeat	No follow-up samples collected after a positive sample
Surface Water Treatment Rule	M/R, major (filtered)	Collected less than 10% of samples required during a compliance period
	M/R, major (unfiltered)	Collected less than 10% of samples required during a compliance period
Lead and Copper Rule	M/R Initial Lead and Copper Tap	Failure to collect the initial tap samples followed by a failure to correct that omission within 3 months for large systems, 6 months for medium systems, and 12 months for small systems, or the failure to submit the associated report.
	M/R Follow-up or Routine Lead and Copper Tap	Failure to collect any required samples.
Phase I, II, IIB, and V Rules	Regular Monitoring	Failure to collect any required samples
Total Trihalomethanes	Regular Monitoring	Failure to collect any required samples
Radionuclides	Regular Monitoring	Failure to collect any required samples

Out of Compliance: A violation is out of compliance when the PWS fails to collect, have analyzed, and report the required number of samples in any one compliance period.

Compliance Achieved: A violation is considered "compliance achieved" when the samples are collected and the results are reported to the IDNR.

Coliform Bacteria ---567 IAC 41.2(1)

Monitoring & Reporting Requirement: All PWSs must collect total coliform samples at sites which are representative of water quality throughout their distribution systems according to a written sampling plan.

- Community PWSs (CWSs) and nontransient noncommunity PWSs (NTNCs) serving schools or daycare facilities must base the number of samples on the population served by the PWS. The minimum number of samples collected per month is determined by population as listed in rule 567 IAC 41.2(1)c(1)"3".
- Regional PWSs, such as rural water districts, sample at a frequency based on miles of pipe in the distribution system, which is deemed equivalent to population.
- Transient noncommunity PWSs (TNCs), such as parks and rest areas, must monitor each calendar quarter at a minimum, or if the population served is over 1000 persons, monitor at the same frequency as a like-sized community PWS. State parks are required to monitor at a frequency of no less than 1 sample per month. EPA makes provisions for reducing the monitoring to annual, but in Iowa this is not considered sufficient protection for public health.
- If a routine sample is total coliform positive, the PWS must collect repeat samples. That PWS must also collect a minimum of five routine samples during the next month the PWS serves drinking water to the public.

Nitrate/Nitrite---567 IAC 41.3

Monitoring & Reporting Requirement: Without exception, all PWSs must monitor at the source/entry point to the distribution system to determine compliance with the MCL for nitrate and nitrite. Depending on the history of analytical results, monitoring is required:

- yearly, if results are under $\frac{1}{2}$ the MCL,
- quarterly, if results are between $\frac{1}{2}$ and the MCL, or
- monthly, if results are at the MCL level or above.

Nitrite is a one-time requirement, but if levels above $\frac{1}{2}$ the MCL are found, increased monitoring is required.

Inorganic Chemicals---567 IAC 41.3

Monitoring & Reporting Requirement: CWSs and NTNCs must monitor to determine compliance with the MCL for inorganic contaminants. The IDNR issues an operating permit for each water supply which provides the sampling schedule which may vary from once per quarter to once every nine years depending on the analyte, and past analytical results. Currently the IDNR issues one violation for each analyte when samples are not collected on time.

Organic Chemicals---567 IAC 41.5

Monitoring & Reporting Requirements: CWSs and NTNCs must monitor to determine compliance with the MCL for organic contaminants. The IDNR issues an operating permit for each water supply which provides the sampling schedule which may vary from once per quarter to once every five years depending on the analyte, and past analytical results. Currently the IDNR issues one violation for each analyte when samples are not collected on time.

Radionuclides---567 IAC 41.8

Monitoring & Reporting Requirement: CWSs must monitor to determine compliance with the MCL for radionuclides. The IDNR issues an operating permit for each water supply which

provides the sampling schedule which may vary from once per quarter to a composite or single grab sample once every four years, depending on past analytical results. Currently the IDNR issues one violation for each analyte when samples are not collected on time.

Turbidity, Residual Disinfectant, and CT Ratio---567 IAC 43.5

Monitoring & Reporting Requirements: All PWSs using surface water or groundwater under the direct influence of surface water in whole or in part are required to conduct turbidity monitoring daily and to report the results to the IDNR on a monthly basis. Daily measurements must be either collected every four hours or be continuously monitored. Residual disinfectant sampling requirements are applicable to community and noncommunity PWSs using surface water or groundwater under the direct influence of surface water in whole or in part. Residual disinfection levels must be monitored in the distribution system when coliform bacterial samples are collected. The residual disinfectant must also be measured at a minimum of every four hours at the entry point to the distribution system. Depending upon the size of the system, continuous monitoring may be required. The CT ratio must be calculated and recorded daily. The lowest CT ratio in each month must be reported to IDNR.

Lead/Copper---567 IAC 41.4

Monitoring & Reporting Requirement: All CWSs and NTNCs must monitor to determine compliance with the Action Level for lead and copper at sites according to a written sampling plan which targets sites that have lead and copper home plumbing materials. The number of samples collected is based on the population served. Additionally, water quality parameters and source water sampling are collected when the action level for either lead or copper is exceeded. Follow-up monitoring is continued on a routine schedule regardless of analytical results.

M/R Data

- 82.5% of all PWSs were in compliance with all major monitoring requirements.
- 354 PWSs received M/R violations for one or more contaminants.
- There were 910 M/R violations issued, of which 388 were issued for failure to collect inorganic chemicals, 297 for failure to collect coliform (TCR) samples, 222 for failure to collect organic chemicals, and 3 for failure to collect radionuclides.

The types of the various M/R violations are listed below.

Violation Type	Number of Violations
Confirmation / Major	36
Repeat MAJOR (TCR)	33
Routine MAJOR (TCR)	264
Routine MAJOR (chemicals)	549
Follow-up or Routine Tap (Pb/Cu)	28
Total	910

This table depicts the major M/R violations in 2001 in Iowa.

Contaminant	Number of M/Rs	Number of PWSs with M/Rs	Number of PWSs required to monitor for this analyte	Percent of PWSs with NO M/Rs	% Violations (# violation per analyte divided by total # violations)
1,1,1-Trichloroethane	6	5	1167	99.57	0.66
1,1,2-Trichloroethane	6	5	1167	99.57	0.66
1,1-Dichloroethylene	6	5	1167	99.57	0.66
1,2,4-Trichlorobenzene	6	5	1167	99.57	0.66
1,2-Dichloroethane	6	5	1167	99.57	0.66
1,2-Dichloropropane	6	5	1167	99.57	0.66
2,4,5-TP (Silvex)	6	5	1167	99.57	0.66
2,4-D	6	5	1167	99.57	0.66
Alachlor (Lasso)	7	6	1167	99.49	0.77
Antimony	3	3	1167	99.74	0.33
Arsenic	67	56	1167	95.20	7.36
Atrazine	7	6	1167	99.49	0.77
Barium	3	3	1167	99.74	0.33
Bentazon (Basagran)	1	1	1167	99.91	0.11
Benzene	7	6	1167	99.49	0.77
Benzo (a) Pyrene	6	5	1167	99.57	0.66
Cadmium	3	3	1167	99.74	0.33
Carbon Tetrachloride	6	5	1167	99.57	0.66
Chromium	3	3	1167	99.74	0.33
cis-1,2-Dichloroethylene	6	5	1167	99.57	0.66
Coliform, Total (TCR)	297	205	2022	89.86	32.64
Copper	14	13	1319	99.01	1.54
Dacthal (DCPA)	1	1	1167	99.91	0.11
Dalapon	6	5	1167	99.57	0.66
Di(2-Ethylhexyl) Adipate	7	6	1167	99.49	0.77
Di(2-Ethylhexyl) Phthalate	7	6	1167	99.49	0.77
Dichloromethane	6	5	1167	99.57	0.66
Dinoseb	6	5	1167	99.57	0.66
Ethylbenzene	12	9	1167	99.23	1.32
Fluoride	4	4	1167	99.66	0.44
Gross Alpha, excluding Rn & U	3	3	1167	99.74	0.33
Lead	14	13	1319	99.01	1.54
Mercury	3	3	1167	99.74	0.33
Monochlorobenzene	6	5	1167	99.57	0.66
Nitrate (as N)	194	146	2022	92.78	21.32

Contaminant	Number of M/Rs	Number of PWSs with M/Rs	Number of PWSs required to monitor for this analyte	Percent of PWSs with NO M/Rs	% Violations (# violation per analyte divided by total # violations)
Nitrite (as N)	23	18	2022	99.11	2.53
o-Dichlorobenzene	6	5	1167	99.57	0.66
p-Dichlorobenzene	6	5	1167	99.57	0.66
Pentachlorophenol	6	5	1167	99.57	0.66
Picloram	6	5	1167	99.57	0.66
Selenium	3	3	1167	99.74	0.33
Simazine	6	5	1167	99.57	0.66
Sodium	51	41	1167	96.49	5.60
Styrene	7	6	1167	99.49	0.77
Tetrachloroethylene	6	5	1167	99.57	0.66
Thallium	3	3	1167	99.74	0.33
Toluene	8	7	1167	99.40	0.88
Total Trihalomethanes (TTHM)	1	1	13	92.31	0.11
trans-1,2-Dichloroethylene	6	5	1167	99.57	0.66
Trichloroethylene	6	5	1167	99.57	0.66
Vinyl Chloride	7	6	1167	99.49	0.77
Xylenes	12	9	1167	99.23	1.32

Enforcement Actions for MCL, TT, or AL Violations

A violation may occur for any regulated contaminant where a MCL, TT, or AL has been exceeded. Because the monitoring frequency is dependent upon both the type of contaminant and the levels previously found in a particular PWS for that contaminant, the resulting enforcement action varies in ways described below.

WARNING LETTER: When a sample result exceeds a preset level, dependent on the contaminant, IDNR issues a "warning" letter to the PWS, offering an opportunity to retest or instructing the PWS to monitor more frequently.

SINGLE VIOLATION OCCURRENCE: When a PWS exceeds an MCL, TT or AL, a Notice of Violation (NOV) is issued by IDNR identifying the location of the sample collected which caused the exceedance, specifying public notification (PN) and including additional action(s) required of the PWS, such as increased monitoring.

MULTIPLE VIOLATIONS: For multiple violations of a contaminant, IDNR may issue a revised operation permit (BCA for Bilateral Compliance Agreement) with conditions that require the PWS to remediate the violation by correcting operation deficiencies, adding treatment, blending water sources, or obtaining an alternative source of drinking water. If a PWS must look to an alternative source for uncontaminated water, this may include construction of a new well or connection to another PWS.

BILATERAL COMPLIANCE ACTION (BCA): A BCA is actually a Water Supply Operation Permit with an appendix attached that assigns a compliance schedule for remediation of the violation.

- Acute MCL violations
 - For fecal coliform or *E.coli* bacteria, if two or more MCL violations occur in a 12-month period, IDNR may issue a revised operation permit with conditions that require that PWS to remediate the MCL problem by installing treatment or obtaining an alternate source of water.
 - For nitrate or nitrite, if three or more MCL violations occur in a 12-month period, IDNR may issue a revised operation permit with conditions that require that PWS to remediate the MCL problem by installing treatment or obtaining an alternate source of water.
- Non-Acute MCL violations, TTs, and AL exceedances
 - For total coliform bacteria, if two or more MCL violations occur in a 12-month period, IDNR may issue a revised operation permit with conditions that require that PWS to remediate the MCL problem by installing treatment or obtaining an alternate source of water.
 - For other contaminants, if one or more non-acute violations occurs, IDNR may issue a revised operation permit with conditions that require increased monitoring to collect more statistical data and an appendix that requires the PWS to plan a schedule to remediate. In some situations it may take several months to over a year to remediate the problem.

ADMINISTRATIVE ORDERS: When a PWS continues to violate the MCL, TT, AL for a particular contaminant or is unwilling or unable to remediate the violation, the next step in legal enforcement of the BCA is generally the issuance of an Administrative Order (AO w/ Penalty or AO w/o Penalty). AOs are generally issued with a monetary penalty, but under certain circumstances may be issued without a penalty. AOs issued to a PWS due to MCL violations may be accompanied by a BCA, which outlines the compulsory schedule for remediation. Where there is an appeal of the order by the PWS or the PWS refuses to correct the problem, the AO may be referred to the office of the Attorney General (AG).

SEASONAL PWSs most frequently operate from April to October each year. When these systems receive a violation for a compliance period right before closing for the winter, they may be required to remediate their MCL problem before they open to the public the following year and collect their compliance samples.

CODING ENFORCEMENT ACTIONS INTO THE COMPUTER: IDNR must code specific enforcement actions into the computer. This enables IDNR to report to EPA and allows staff to track the progress of violations. The following is a list of the most commonly used enforcement actions.

- NOV issued (Notice of Violation)
- PN requested (Public Notification)
- PN received
- BCA issued (Bilateral Compliance Agreement)
- AO w/Penalty (Administrative Order with a Penalty)
- AO w/o Penalty (Administrative Order without a Penalty)
- AG (Attorney General office)
- Compliance Achieved (violation is "closed")

RETURNING A VIOLATION TO "COMPLIANCE ACHIEVED" STATUS

- The most frequent possible occurrence of an MCL violation is once a month. Once an MCL violation has occurred, a PWS must have six consecutive months of sample results without an MCL, TT, AL or M/R violation for that contaminant before it is considered to have achieved compliance. The enforcement action for that violation is then coded "Compliance Achieved" in the electronic database.
- A violation incurred on a quarterly-assigned sample result requires two consecutive quarters following the violation date for that violation to be returned to compliance. These two quarters of sample results must be under the violation standard for that contaminant and there must be no monitoring violations.
- If a running annual average is used to determine compliance (see the MCL section for the definition of Out of Compliance for inorganic and organic chemicals) then a PWS must have 2 consecutive quarters where the running annual average is less than the MCL for that analyte.
- A violation incurred on a sample result from a monitoring requirement that is yearly or less frequent generally is handled on a case-by-case basis. A confirmation sample is recommended to be collected, and if collected, the 2 values are averaged to compare with the MCL of that analyte. If the MCL still is exceeded, a revised BCA is generally issued, with possible increased monitoring or the requirement to install treatment. Six consecutive months or two consecutive quarters of results below the MCL must be demonstrated in order to return the violation to

compliance. Contaminants assigned on a yearly or less frequent cycle generally are inorganic or organic compounds.

There are two additional follow-up actions indicating the most recent action taken by the PWS. These are:

- Public Notice Requested
- Public Notice Received

PWSs with either of these Enforcement Actions coded have not been returned to compliance as of the date of this report. IDNR tracks the corrective actions of all violations of all PWSs. When the criteria for compliance are met, the violation is coded "Compliance Achieved". Failure to achieve compliance may result in the issuance of an AO.

Status of enforcement actions for MCL violations are listed below:

Type of Enforcement Actions for MCL Violation	Number of Enforcement Actions by Violation	Number of Enforcement Actions by PWSs
NOV issued	56	42
BCA issued	67	28
AO w/ Penalty	11	4
AO w/o Penalty	7	3
AG Referrals	5	1
Compliance Achieved	154	97
Total	300	175

NOTE: Although 168 PWSs received MCL or TT violations, a PWS may have multiple violations with different types of enforcement actions. For example, a PWS may have incurred a violation early in the year that has returned to compliance and a violation later in the year with only an NOV issued. This results in the increased PWS count to 175. See Table B for details.

Enforcement Actions for M/R Violations

The monitoring and reporting (M/R) requirement frequencies for the contaminant types vary, depending upon the specific contaminant type as well as the historical levels of each specific contaminant found in the water supply. The monitoring frequencies are:

- monthly
- quarterly
- 6-months
- yearly
- 3-years
- 4-years
- 5-years
- 6 years
- 9-years

REMINDER NOTICE: Reminder notices are sent to PWSs to remind them of the monitoring requirements for contaminants that are scheduled to be monitored on a quarterly or less frequent basis.

SINGLE VIOLATION OCCURRENCE: When a PWS incurs an M/R violation, a Notice of Violation (NOV) is issued by IDNR identifying the missed due date of the required sample collection period, and specifying the next action(s) required of the PWS.

monthly	collect sample next month
quarterly	collect sample next quarter
yearly or less frequent	collect replacement sample within 45 days of NOV

MULTIPLE VIOLATIONS: For multiple violations of a contaminant, IDNR may issue an AO, dependent upon the number of M/R violations and the frequency of monitoring assigned to the PWS for a given contaminant.

monthly	4 or more monthly M/R violations in a 12-month period.	AOP
quarterly	2 more quarterly M/R violations in a 12-month period	AOP
yearly or less frequent	one M/R violation and no replacement sample collected	AOP

ADMINISTRATIVE ORDERS: When a PWS continues to incur M/R violations, IDNR issues an Administrative Order (AO), which is the next step in legal enforcement. AOs are generally issued with a monetary penalty, but under certain circumstances may be issued without a penalty. In unusual situations where the PWS appeals the order or refuses to take corrective action, the AO may be referred to the office of the Attorney General (AG).

SEASONAL PWSs most frequently operate from April to October each year. When these systems receive a violation for a compliance period right before closing for the winter, they must wait until they open to the public the following year before they can take their compliance samples. Seasonal PWSs may incur only one M/R in a 12 month period, which may represent fully one-half of their monitoring season, after which they may be issued an AO.

CODING ENFORCEMENT ACTIONS FOR M/R VIOLATIONS INTO THE COMPUTER

IDNR must also code specific enforcement actions into the computer for M/R violations. This enables IDNR to report to EPA and allows staff to track the progress of violations. The following is a list of the most commonly used enforcement actions:

- NOV issued
- PN requested
- PN received
- AO w/Penalty
- AO w/o Penalty
- AG (Attorney General office)
- Compliance Achieved

RETURNING A VIOLATION TO "COMPLIANCE ACHIEVED" STATUS: Monitoring violations are returned to compliance on the date the next sample is collected for that contaminant (Compliance Achieved).

Other follow-up actions indicate the most recent action taken by the PWS.

- Public Notice Requested
- Public Notice Received

PWSs with this Enforcement Action coded have not been returned to compliance as of the date of this report. IDNR is currently tracking the corrective actions of all of these PWSs. When the criteria for Compliance Achieved are met, the violation is then coded "Compliance Achieved". Failure to achieve compliance may result in the issuance of an AO.

Status of enforcement actions for M/R Violations are listed below:

Type of Enforcement Actions for M/R Violations	Number of Enforcement Actions by Violation	Number of Enforcement Actions by PWSs
NOV issued	77	24
BCA issued	2	1
AO w/ Penalty	14	6
AO w/o Penalty	0	0
AG	0	0
Compliance Achieved	817	340
Total	910	371

NOTE: Although 354 PWSs received M/R violations, a PWS may have multiple violations with different types of enforcement actions. For example, a PWS may have incurred a violation early in the year that has returned to compliance and a violation later in the year with only an NOV issued. This results in the increased PWS count to 371. See Table B for details.

Status of enforcement actions for Consumer Confidence Report (CCR) Violations are listed below:

Type of Enforcement Actions for CCR Violations	Number of Enforcement Actions by Violation	Number of Enforcement Actions by PWSs
NOV issued	8	8
BCA issued	0	0
AO w/ Penalty	1	1
AO w/o Penalty	0	0
AG	0	0
Compliance Achieved	2	2
Total	11	11

NOTE: The number of CCR violations issued and the number of PWSs with CCR violations will be the same.

Variances and Exemptions

The IDNR has the authority to issue variances or exceptions for violations of drinking water quality standards (MCLs, TTs and ALs).

Variances or exceptions are not allowed for exceedances of microorganism standards, acute concentrations of any contaminant, any violations of the Surface Water Treatment Rule, or lead exceedances. Essentially, a variance or exception is a means to allow an extended schedule for a PWS to permanently correct the violation(s).

Prior to granting a variance or exception, the requirements placed by the EPA on the department and the public water supply make it impractical to utilize these provisions. Instead of issuing a variance or exception, the IDNR uses its authority to extend schedules for returning to compliance through the water supply operation permit program.

Iowa did not have rules on variances and exemptions for any contaminant during the reporting period of January 1, 2001 through December 31, 2001

Public Notification, Public Education, and Consumer Confidence Report---567 IAC 42 (455B)

The SDWA requires a PWS to notify the state and the water consumers when the following violations occur:

- a Maximum Contamination Level (MCL) has been exceeded,
- a Maximum Residual Disinfectant Level (MRDL) has been exceeded,
- a required Treatment Technique (TT) has been violated,
- a Compliance Schedule has not been met, or
- a Health Advisory (HA) has been exceeded.

MCL Exceedance: To comply with the MCL public notification requirements, the PWS must:

- Notify the IDNR within 72 hours after the violation occurred;
- Notify the consumers by the required public notification procedures; and
- Provide proof of such public notice to the IDNR.

NOTE: For violations of the MCLs of nitrate, nitrite, chlorine dioxide, and total coliforms when fecal coliforms or *E. coli* are present, which may pose an acute risk to human health, CWSs must meet the above listed requirements as well as furnish a copy of the public notice within 72 hours to the radio and television stations serving the affected public.

M/R Violation: All PWSs must issue public notification for failure to:

- monitor and report the required data to the department
- comply with established testing procedure
- comply with an interim contaminant level
- meet the public notification requirements

Lead Action Level Exceedance Public Education: The SDWA requires a PWS to notify the IDNR and the population served by the PWS when the 90th percentile exceeds the action level for lead.

- Mandatory language must be provided to the consumers and the general public every twelve months, in the following forms:
 - Newspaper announcement;
 - Pamphlets and brochures to doctors, clinics, schools, daycare facilities, etc.;
 - Attachments to customers' water bills;
 - A message alerting the public must be printed directly on the water bill; and
 - A public service announcement must be issued to television and radio for broadcasting.
- At least every six months, a public service announcement must be issued to television and radio for broadcasting.

NOTE: Public Education is not the same as public notification. Public notification is a portion of public education but the reverse is not true. Public education includes several different methods of public notification, all of which are critical to the public education effort.

- The public education requirement remains in effect until the PWS has one valid sampling round where the 90th percentile is less than the lead action level.

Consumer Confidence Reports ---567 IAC 42.3 (455B)

- Reporting Requirement: The SDWA requires a CWS to notify the public by July 1 of every year with information on the quality of the water delivered by the PWS and characterize the risks (if any) from exposure to contaminants in the drinking water. All CWSs must prepare and make their Consumer Confidence Report (CCR) available to the public. The CCR must include:
 - source water information,
 - definitions,
 - information on detected contaminants (if any), and
 - whether the PWS is out of compliance with any other requirement of monitoring, public notification, operation or administrative order.
 - mandatory language and additional health information is required where applicable.
- Each CWS must mail or otherwise directly deliver one copy of the report to each customer. Mailing waivers are issued to CWS having fewer than 10,000 persons, providing the PWS had no violations for the covered calendar year. CWS serving fewer than 500 persons and having a mailing waiver are allowed to post the CCR.

Health Effects: If a public notification or public education requirement is not met, the public health is placed at risk because the public is unaware of the potential health effects of the water being consumed. Children, pregnant women, the elderly, and persons with compromised immune systems are at the greatest risk.

Out of Compliance: A PWS is in violation of the public notification or public education rule when it does not issue public notification specific to its violation and does not provide proof of same to the IDNR.

Returned to Compliance: A PWS is returned to compliance when it publishes the appropriate public notification or public education language within the required amount of time and provides proof of same to the IDNR.

Violation	Number of M/R Violations in 2001	Number of Individual PWSs with M/R Violations in 2001
CCR	11	11

Operator Certification Program 567 IAC 81.2

Note: This is the first year to report on this program. The Iowa Operator Certification Program reporting time frame is from July 1, 2001 through June 30, 2002.

Classification of Systems, Facilities, and Operators:

Table 1 - Number and Type of Active Public Water Supplies (PWS)

Type of System	Community (CWS)	Nontransient Noncommunity (NTNC)	Transient Noncommunity (TNC)
Number of PWS	1143	146	676

Table 2 - Number and Class of Water Treatment Plant/Distribution Systems

Community (C) PWS	Number of Treatment Plant Classifications	Number of Water Distribution Classifications	
GA (Grade A)	230		
WD1 (Water Distribution plant)	175	WD1	576
WD2	25	WD2	294
WD3	3	WD3	24
WD4	1	WD4	19
WT1 (Water Treatment plant)	356		
WT2	270		
WT3	57		
WT4	26		

Table 2 - (continued) Number and Class of Treatment Plant/Distribution Systems

Nontransient Noncommunity (NTNC) PWS			
GA	87		
WD1	4	WD1	45
WD2	1	WD2	11
WT1	38	WD3	3
WT2	12		
WT3	3		
WT4	1		

Table 3 - Estimated Number of Potential Temporary Certificates

Number of Potential Temporary Certificates	Number of Restricted Certificates
446	17

Operator Qualifications:

Table 4 - Number and Class of Operators with Active Distribution Certificates

WD1	WD2	WD3	WD4
318	737	701	346

Table 5 - Number and Class of Operators with Active Water Treatment Certificates

WT1	WT2	WT3	WT4
706	837	234	153

Enforcement:

All water supply operators must

- meet eligibility experience and education,
- pass a written exam,
- earn their Continuing Education Units (CEUs) yearly, and
- renew their certificate.

There are only 2 types of enforcement actions for this program.

- PWSs without a licensed operator
- Operator practicing without a license

Compliance actions were directed at 12 PWSs for not having a certified operator in charge of their water supply. These PWS have now returned to compliance. License revocation actions were taken against 2 operators. One action resulted in permanent revocation of the operator's wastewater, water treatment and water distribution licenses. In the second action, all licenses were revoked for a period of two years, after which the operator may re-apply for certification.

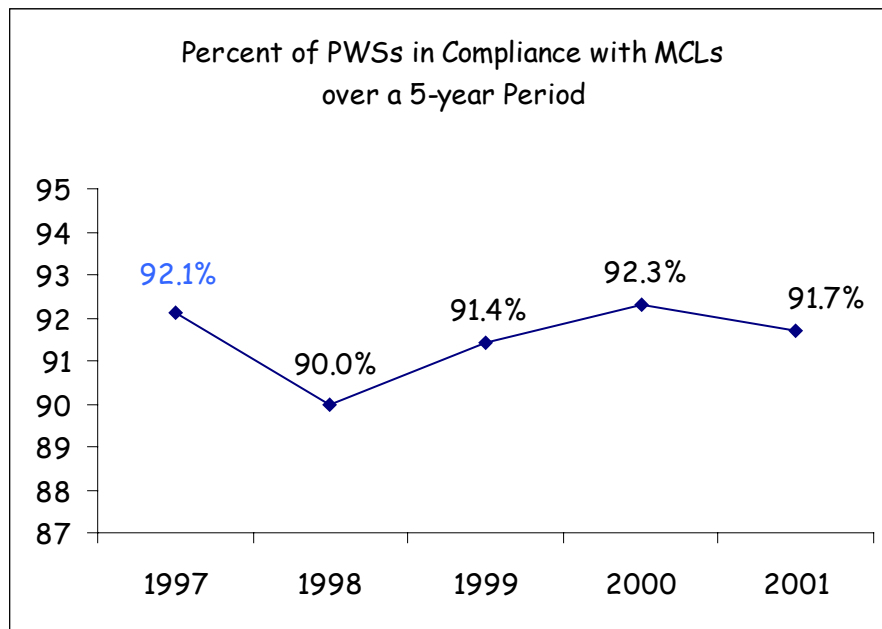
Certification Renewal:

Water certifications are renewed every two years. The next renewals are due by June 30, 2003. Continuing education unit (CEU) requirements must be met by March 31, 2003. Operators holding a Grade 1 or 2 certification are required to earn 1 CEU. Operators holding a Grade 3 or 4 certification must earn 2 CEUs.

Trends in Compliance

Comparison with Previous Years

The percentage of PWSs in compliance with health standards decreased slightly from last year. Specific details of the program and violation data are explained in sections on MCLs and M/Rs.



For Community Water Systems (CWS) the following statistics apply for the reported year:

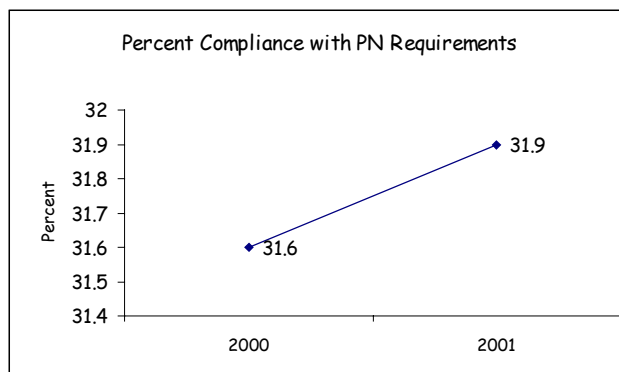
- 80 CWS incurred 141 MCLs, which affected 4.7% of the total number of persons served by all PWSs in Iowa, or 5.0 % of the population served only by CWSs.
- 135 CWSs received 380 M/Rs, which affected 6.3% of the total number of persons served by all PWSs in Iowa, or 6.6 % of the population served only by CWSs.

Number of Samples Collected

There were a total of 66,216 samples collected from all the PWSs for compliance purposes. The largest number of samples reported (49.5%) were for coliform bacteria.

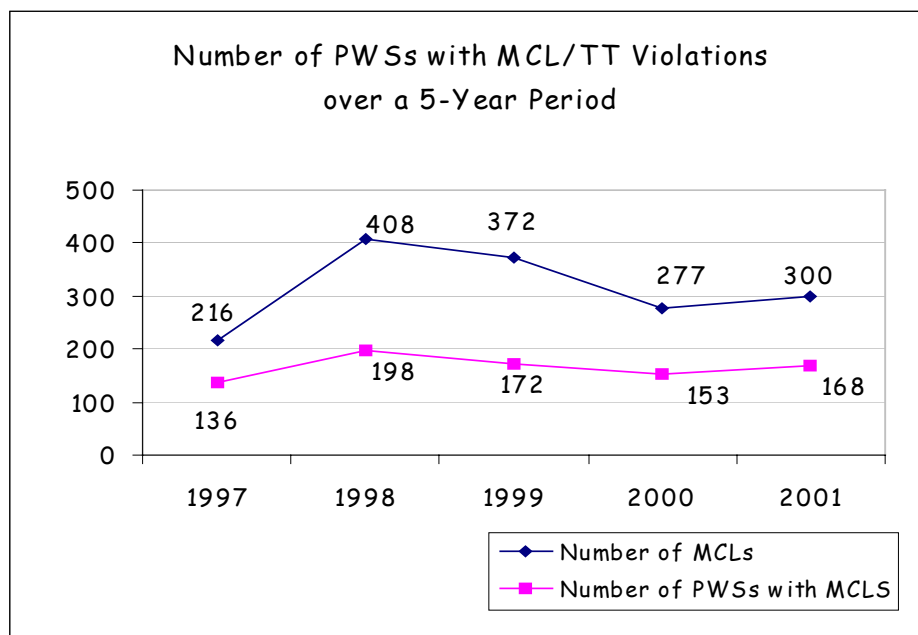
Public Notification

PN is required whenever an NOV is issued. In this reporting year, 31.9 % of all PNs required have achieved compliance with the PN requirements. The IDNR has been tracking compliance with this requirement since 2000.



Maximum Contaminant Level (MCL) Violations and PWSs

The chart below compares compliance with all MCLs over a 5 year period.

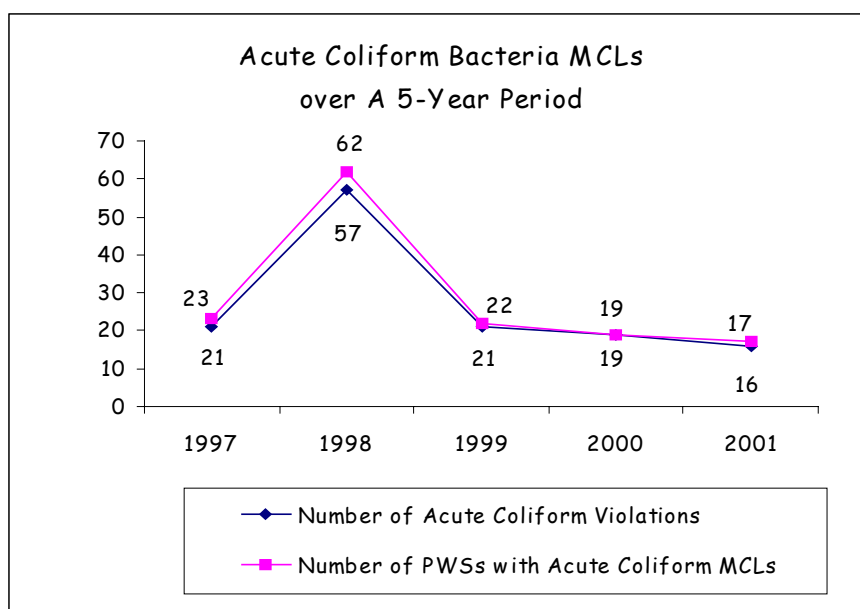


- This chart indicates that MCL violations increased between 1997 and 1998. This variation is due to a number of factors:
 - An increase in staff in 1998 enhanced our ability to increase and improve our enforcement capabilities. Hence, the number of MCL violations increased starting that year.

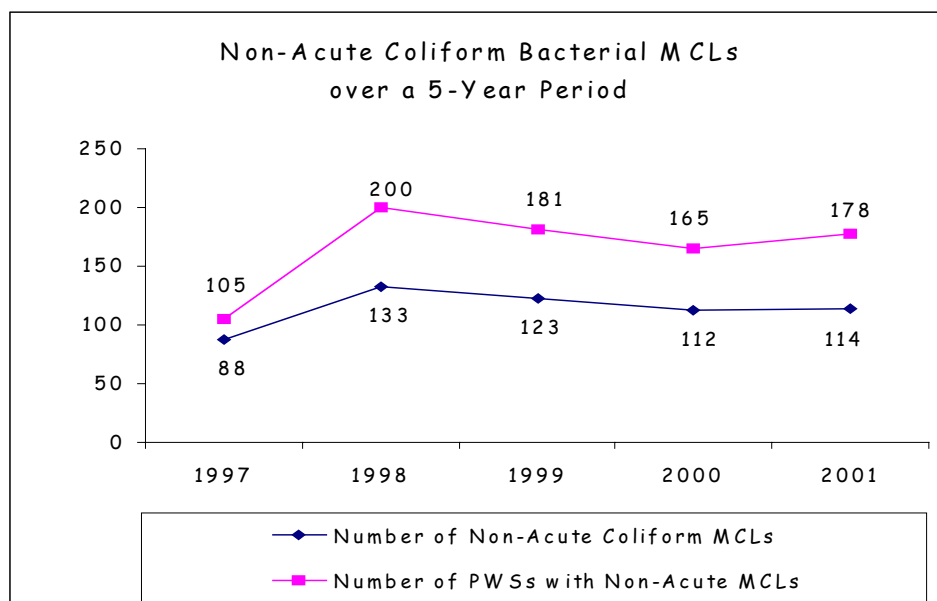
- Starting 1998 the department stepped up its compliance efforts, issuing MCL violations for nitrate exceedance monthly instead of quarterly as had been done in prior years, therefore the number of MCL violations issued increased significantly. Hence in future editions of this report, this number will drop off the chart, to equalize the comparisons with future years.
- Enhanced computer capability also meant that staff were able to track MCL and M/R violations more accurately and respond more quickly.
- The increased number of staff in both the central office and field offices provided the opportunity for increased technical assistance to PWS operators to instruct them in their requirements and assist with compliance.
- Reflected in the 1999 and 2000 data, the decrease in violations and in the number of PWSs that violated indicates that the above steps taken to enforce MCL and M/R criteria proved successful.
- There is a slight rise in numbers between 2000 and 2001, which could be due to any number of reasons, from change of ownership, operational problems, variations in weather patterns, even with the increased technical assistance provided by IDNR staff. This year, 3 TT violations are included in the totals.
- While annual weather patterns can have a major influence on the number of MCLs incurred, this factor has not been included in this analysis.

Generally, Iowa's drinking water supply is safe. Isolated incidences of bacterial contamination are quickly dealt with as they occur.

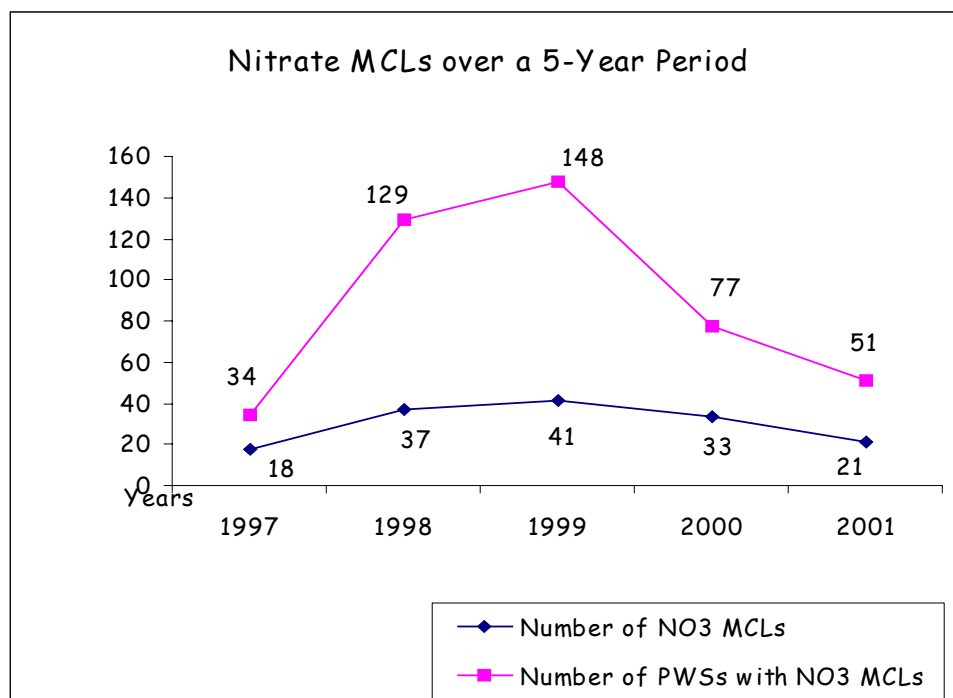
The chart below shows the number acute coliform MCL violations has decreased since 1999.



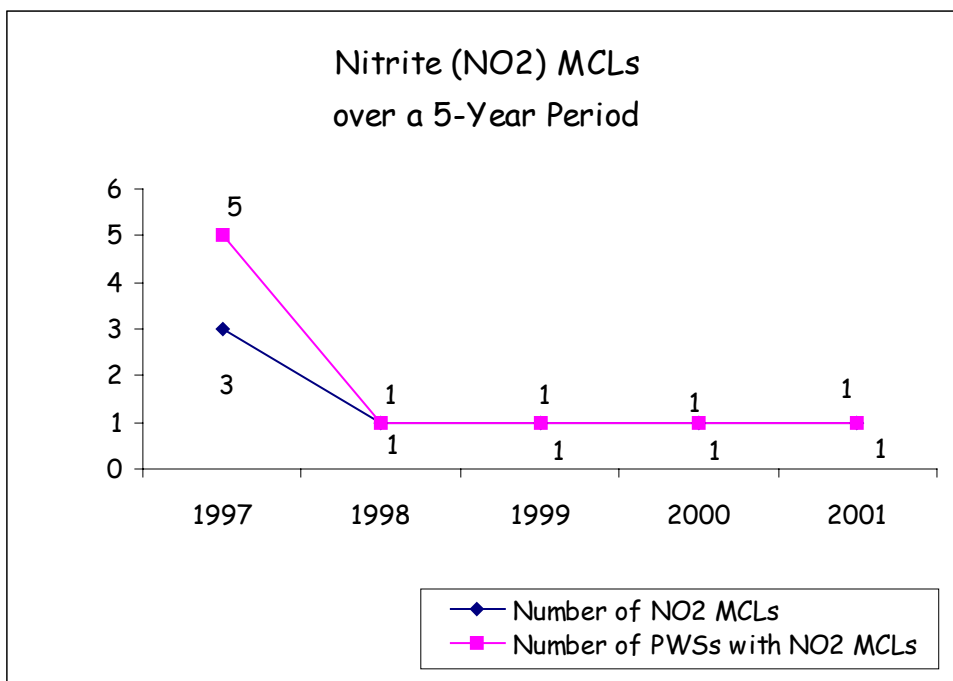
The chart below shows the number of non-acute coliform bacterial MCL violations rose slightly from 2000.



The chart below shows the number of nitrate MCL violations dropped significantly from 2000.

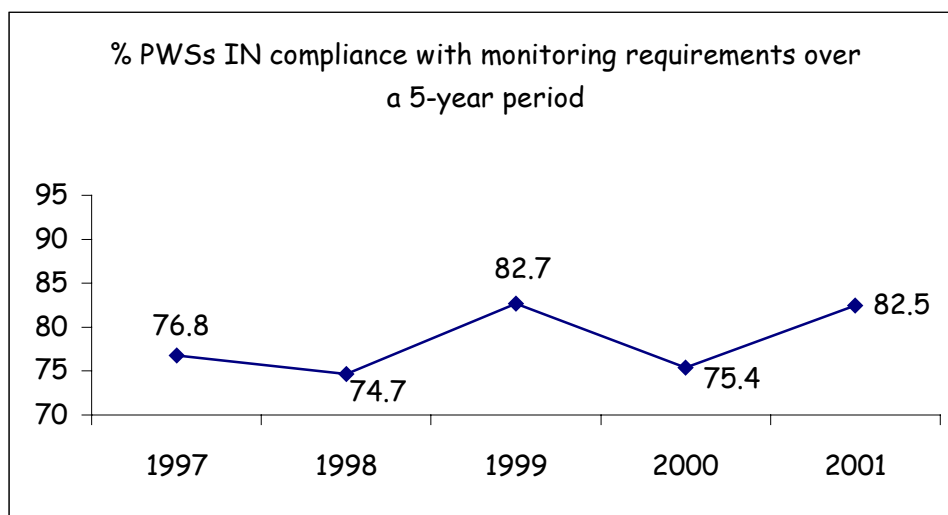


The chart below shows the number of nitrite MCLs has remained the same, at the low level of only 1 PWS among 2022 PWSs.

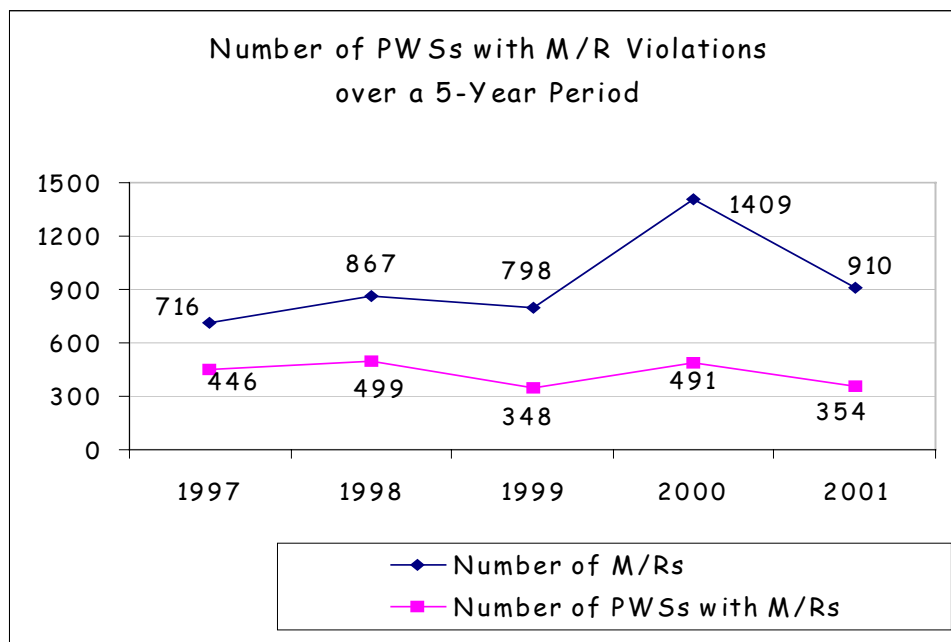


Monitoring and Reporting (M/R) Violations and PWSs

The chart below shows compliance with all monitoring requirements over a 5 year period.



The chart below compares compliance with all M/Rs for the 5 years this report has been available.



The data in this chart indicates an increase similar to the prior discussion regarding MCL trends. The efforts by IDNR staff had a significant impact on the compliance results. However, there was a large increase in M/R violations between 1999 and 2000. The largest number of these M/R violations (54% in 2000) came from a failure to collect organic chemical monitoring samples. At least three factors influenced this number:

- Organic monitoring requirements are cyclical, being required every 5 to 9 years. In 2000, more PWSs were required to monitor for these compounds than in prior years, and failed to do so. In 2001, fewer PWSs were scheduled to collect samples for organic analyses, hence the drop in violations.
- Prior to 2000, only one monitoring violation was assigned per analytical "group" for inorganic and organic compounds. Enhanced computer capability and EPA requirements have now resulted in the assignment of one M/R violation per analyte, thereby significantly increasing the number of violations issued per PWS. This method of assignment of violations will continue in future years, thereby making the data after 2000 statistically comparable. Eventually, the prior dates will drop off this chart, to equalize the comparison with future years.
- Monitoring requirements that occur infrequently (such as once per year or once per 3 years or greater) are often missed because they are forgotten due to the great length of time between sample collections. For this reason, the department has been issuing "reminder" notices since mid-1999 to assist in compliance with these monitoring requirements.

ABBREVIATIONS

<	Less than
>	Greater than
AG	Attorney General
AL	Action Level
AOP	Administrative Order with Penalty
AOWP	Administrative Order without Penalty
BCA	Bilateral Compliance Agreement (operation permit)
CCR	Consumer Confidence Report
CT	A mathematical calculation for disinfection measurement
Cu	Chemical symbol for Copper
CWS	Community Water System
EPA	U.S. Environmental Protection Agency
FDA	Food and Drug Administration
GA	Grade A
GW	Ground Water
GWUI	Ground Water Under the Influence of surface water
HA	Health Advisory
HPC	Heterotrophic Plate Count
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
IOC	Inorganic Chemicals
LSL	Lead Service Line
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
M/R	Monitoring and Reporting
mrem/yr	Millirems per year
NOV	Notice of Violation
NTNC	Non-Transient Non-Community
NTU	Nephelometric turbidity units
Pb	Chemical symbol for Lead
pCi/L	Picocuries per liter
PN	Public Notification
PWS's	Public Water Systems
PWSS	Public Water System Supervision (EPA program)
Rn	Radon
SDWA	Safe Drinking Water Act
SDWIS/FED	Safe Drinking Water Information System/Federal (EPA's electronic database)
SOC	Synthetic (Nonvolatile) Organic Chemical

SW	Surface Water
SWTR	Surface Water Treatment Rule
TCR	Total Coliform Rule
TNC	Transient Non-Community
TT	Treatment Technique
U	Uranium
V/E	Variance or Exemption
VOC	Volatile Organic Chemical
WD	Water Distribution plant
WT	Water Treatment plant
WQP	Water Quality Parameters

Distribution of this Report

The SDWA requires both summary and detailed reports from the states to be accessible to the EPA, the Governor of the State, and the public. The State of Iowa has determined that the following options will be utilized to make this report readily available to the public.

The IDNR will supply the detailed report to the:

- EPA Headquarters in Washington, DC, by the statutory deadline.
- EPA Regional Headquarters in Kansas City, KS, and
- The Office of the Governor of Iowa.

The IDNR will also:

- publish an official notice of report availability,
- include notices of availability on the IDNR internet website,
- make the detailed report available for downloading from the IDNR internet website,
- notify the public water systems identified in the detailed report of the availability of the report, and
- make the detailed and summary report available for individuals and organizations upon request.

TABLE A: VIOLATIONS SUMMARY REPORT

NOTE: This is an EPA formatted table.

State: Iowa

Reporting Interval: January 1, 2001 through December 31, 2001

Organic Contaminants	MCL (mg/L)	MCL s		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
1,1,1-Trichloroethane	0.2	-0-	-0-			6	5
1,1,2-Trichloroethane	0.005	-0-	-0-			6	5
1,1-Dichloroethylene	0.007	-0-	-0-			6	5
1,2,4-Trichlorobenzene	0.07	-0-	-0-			6	5
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	-0-	-0-			6	5
1,2-Dichloroethane	0.005	-0-	-0-			6	5
1,2-Dichloropropane	0.005	-0-	-0-			6	5
2,3,7,8-TCDD (Dioxin)	0.00000008	-0-	-0-			-0-	-0-
2,4,5-TP	0.05	-0-	-0-			6	5
2,4-D	0.07	-0-	-0-			6	5
Acrylamide		NA	NA			NA	NA
Alachlor	0.002	-0-	-0-			7	6
Atrazine	0.003	-0-	-0-			7	6
Benzene	0.005	-0-	-0-			7	6
Benzo[a]pyrene	0.0002	-0-	-0-			6	5
Carbofuran	0.04	-0-	-0-			-0-	-0-
Carbon tetrachloride	0.005	-0-	-0-			6	5

Contaminant	MCL (mg/L)	MCL s		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Chlordane	0.002	-0-	-0-			-0-	-0-
cis-1,2-Dichloroethylene	0.07	-0-	-0-			6	5
Dalapon	0.2	-0-	-0-			6	5
Di(2-ethylhexyl)adipate	0.4	-0-	-0-			7	6
Di(2-ethylhexyl)phthalate (Total Phthalates)	0.006	1	1			7	6
Dichloromethane	0.005	-0-	-0-			6	5
Dinoseb	0.007	-0-	-0-			6	5
Diquat	0.02	-0-	-0-			-0-	-0-
Endothall	0.1	-0-	-0-			-0-	-0-
Endrin	0.002	-0-	-0-			-0-	-0-
Epichlorohydrin		NA	NA			NA	NA
Ethylbenzene	0.7	-0-	-0-			12	9
Ethylene dibromide	0.00005	-0-	-0-			-0-	-0-
Glyphosate	0.7	-0-	-0-			-0-	-0-
Heptachlor	0.0004	-0-	-0-			-0-	-0-
Heptachlor epoxide	0.0002	-0-	-0-			-0-	-0-
Hexachlorobenzene	0.001	-0-	-0-			-0-	-0-
Hexachlorocyclopentadiene	0.05	-0-	-0-			-0-	-0-
Lindane	0.0002	-0-	-0-			-0-	-0-
Methoxychlor	0.04	-0-	-0-			-0-	-0-

Contaminant	MCL (mg/L)	MCL s		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Monochlorobenzene	0.1	-0-	-0-			6	5
o-Dichlorobenzene	0.6	-0-	-0-			6	5
Oxamyl (Vydate)	0.2	-0-	-0-			-0-	-0-
para-Dichlorobenzene	0.075	-0-	-0-			6	5
Pentachlorophenol	0.001	-0-	-0-			6	5
Picloram	0.5	-0-	-0-			6	5
Simazine	0.004	-0-	-0-			6	5
Styrene	0.1	-0-	-0-			7	6
Tetrachloroethylene	0.005	0	0			6	5
Toluene	1	-0-	-0-			8	7
Total polychlorinated biphenyls	0.0005	-0-	-0-			-0-	-0-
Toxaphene	0.003	-0-	-0-			-0-	-0-
trans-1,2-Dichloroethylene	0.1	-0-	-0-			6	5
Trichloroethylene	0.005	-0-	-0-			6	5
Vinyl chloride	0.002	-0-	-0-			7	6
Xylenes (total)	10	-0-	-0-			12	9
Total trihalomethanes	0.10	4	2			1	1

Contaminant	MCL (mg/L)	MCL s		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Inorganic Contaminants							
Antimony	0.006	-0-	-0-			3	3
Arsenic	0.05	6	2			67	56
Asbestos	7 million fibers/ 10 µm long	-0-	-0-			-0-	-0-
Barium	2	-0-	-0-			3	3
Beryllium	0.004	-0-	-0-			-0-	-0-
Cadmium	0.005	0	0			3	3
Chromium	0.1	-0-	-0-			3	3
Cyanide (as free cyanide) * (No monitoring required in 2001 for cyanide.)	0.2	-0-	-0-			-0-	-0-
Fluoride	4.0	2	1			4	4
Mercury	0.002	-0-	-0-			3	3
Nitrate	10 (as Nitrogen)	51	21			194	146
Nitrite	1 (as Nitrogen)	1	1			23	18
Selenium	0.05	-0-	-0-			3	3
Thallium	0.002	-0-	-0-			3	3
Total nitrate and nitrite	10 (as Nitrogen)	NA	NA			NA	NA

"Other" Contaminants	MCL	MCL s *		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Bentazon (Basagran)	NA	-0-	-0-			1	1
Dacthal (DCPA)	NA	-0-	-0-			1	1
Sodium	NA	NA	NA			51	41

Contaminant	MCL	MCL s *		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Radionuclide MCL s							
Gross alpha	15 pCi/L	3	2			3	3
Radium-226 and radium-228	5 pCi/L	2	2			-0-	-0-
Gross beta	4 mrem/year	-0-	-0-			-0-	-0-
Subtotal		5	4			3	3

* These are the new violations incurred in 2001, and do not include the continuing unresolved violations from previous years.

Contaminant	MCL (mg/L)	MCL		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Total Coliform Rule							
Acute MCL violation	Presence	17	16				
Non-acute MCL violation	Presence	178	114				
Major routine and follow up monitoring						297	205
Sanitary survey						State initiates Sanitary survey	State initiates Sanitary survey
Subtotal		195	130			304	223

Contaminant	MCL (mg/L)	MCL s		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Surface Water Treatment Rule *							
Filtered systems *							
Monitoring, routine/repeat						-0-	-0-
Treatment techniques				3	3		
Unfiltered systems *							
Monitoring, routine/repeat							
Failure to filter							
Subtotal				3	3	-0-	-0-

* All surface water PWS's in Iowa have filtration.

Contaminant	Action Level	Action Level Exceedance *		Treatment Techniques *		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
Lead and Copper Rule	Lead: 0.015 mg/L Copper: 1.3 mg/L	Lead: 13 Copper: 20 Both: -0-	Lead: 11 Copper: 15 Both: -0-			-0-	-0-
Initial lead and copper tap M/R						-0-	-0-
Follow-up or routine lead and copper tap M/R						14	13
Treatment installation						-0-	-0-
Public education						-0-	-0-
Subtotal		Lead: 13 Copper: 20 Both: -0-	Lead: 15 Copper: 11 Both: -0-			14	13

Legend to Table B

PWS NAME	Business name of the Public Water System
PWSID NUMBER	Public Water System Identification number, a unique and dedicated number permanently assigned to each PWS
POPULATION	Population which could use the water, reported to IDNR by the PWS. For municipal systems, it is the most recent official census
COUNTY	County location of PWS
<input checked="" type="checkbox"/>	When this box is checked, this PWS is classified as "seasonal", and is open only a few months of the year.
ANALYTE NAME	An analyte which is monitored under the SDWA
VIOLATION NAME	The EPA-assigned text description of the violation.
VIOLATION NUMBER	A unique and dedicated identification number assigned to each violation as it occurs. (IDNR use only)
COMPLIANCE BEGIN DATE	Beginning of the compliance period in which the violation occurred
ENFORCEMENT ACTION	Most recent action taken by the PWS and/or the IDNR in response to the violation
DATE OF ACTION	Date the follow-up action or enforcement action occurred

TABLE B - 2001 Violations

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA3126342 AADC		Population:	2057	County: DUBUQUE	
Nitrate (as N)	Routine Major	2001-02091	4/1/00	Compliance Achieved	4/26/01
Nitrate (as N)	Routine Major	2001-02135	4/1/00	Compliance Achieved	4/26/01
IA3102303 AADC (JE-TAC, INC.)		Population:	150	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2002-00091	11/1/01	Compliance Achieved	12/10/01
IA0105509 ADAIR-CASEY COMMUNITY SCHOOL		Population:	587	County: ADAIR	
Lead	Routine Tap	2002-00070	6/1/01	NOV issued	11/14/01
Copper	Routine Tap	2002-03664	6/1/01	NOV issued	11/14/01
IA7836201 AEROPLANE INN		Population:	25	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2002-00575	7/1/01	Compliance Achieved	11/8/01
IA9580203 AIR BEARS II		Population:	48	County: WINNEBAGO	
Coliform, Total (TCR)	Routine Major	2002-00784	10/1/01	NOV issued	1/22/02
Nitrate (as N)	Routine Major	2002-00786	1/1/01	NOV issued	1/22/02
Nitrite (as N)	Routine Major	2002-03867	1/1/01	NOV issued	1/22/02
IA6403011 ALBION WATER DEPARTMENT		Population:	592	County: MARSHALL	
Nitrate (as N)	Routine Major	2002-00524	12/1/01	Compliance Achieved	1/9/02
IA5704012 ALBURNETT WATER SUPPLY		Population:	559	County: LINN	
Sodium	Routine Major	2002-00261	10/1/98	Compliance Achieved	10/31/01
Arsenic	Routine Major	2002-00265	10/1/00	Compliance Achieved	10/31/01
Sodium	Routine Major	2002-00280	10/1/98	Compliance Achieved	10/31/01
Arsenic	Routine Major	2002-00290	10/1/00	Compliance Achieved	10/31/01
IA5502832 ALGONA COUNTRY CLUB		Population:	47	County: KOSSUTH	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01904	4/1/01	Compliance Achieved	5/10/01
Coliform, Total (TCR)	Routine Major	2001-02562	5/1/01	Compliance Achieved	7/5/01
IA2573200 ALICE'S SPAGHETTILAND		Population:	85	County: DALLAS	
Coliform, Total (TCR)	Routine Major	2001-01620	1/1/01	Compliance Achieved	3/28/01
IA8403029 ALTON MUNICIPAL WATER DEPARTMENT		Population:	1095	County: SIoux	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03980	11/1/01	NOV issued	11/8/01
IA5285205 AMERICAN LEGION		Population:	100	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-01844	2/1/01	Compliance Achieved	3/27/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02220	5/1/01	Compliance Achieved	3/11/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02529	6/1/01	Compliance Achieved	3/11/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02674	7/1/01	Compliance Achieved	3/11/02
IA5307048 ANAMOSA MUNICIPAL WATER SUPPLY		Population:	4173	County: JONES	
Copper	AL, 90th Percentile	2002-04361	6/1/99	BCA issued	2/21/02
IA2232776 ANCHOR INN (GARBER)		Population:	35	County: CLAYTON	
Nitrate (as N)	MCL, Single	2001-03476	8/1/01	Compliance Achieved	11/26/01
IA4900901 ANDREW JACKSON CARE		Population:	40	County: JACKSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02196	4/1/01	Compliance Achieved	12/17/01
IA1716891 ANDREWS PRESTRESSED CONCRETE-OFFICE		Population:	65	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2001-01990	1/1/01	Compliance Achieved	4/26/01
IA3070601 ANGLERS BAY RESORT		Population:	150	County: DICKINSON	
Nitrate (as N)	Confirmation/Check Major	2001-02572	10/1/00	Compliance Achieved	7/5/01
IA7709053 ANKENY, CITY OF		Population:	27117	County: POLK	
Lead	AL, 90th Percentile	2002-04085	7/1/01	Compliance Achieved	5/10/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA2326101 ARCHER DANIELS MIDLAND COMPANY # 1		Population:	900	County: CLINTON	
Coliform, Total (TCR)	Routine Major	2001-01992	1/1/01	Compliance Achieved	5/17/01
IA7820558 AREA EDUCATION AGENCY 13		Population:	100	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2001-03560	8/1/01	Compliance Achieved	10/2/01
IA5603701 ARGYLE RURAL WATER DISTRICT		Population:	175	County: LEE	
Arsenic	Routine Major	2001-03017	7/1/00	Compliance Achieved	8/15/01
IA2402063 ARION WATER SUPPLY		Population:	136	County: CRAWFORD	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01616	2/1/01	Compliance Achieved	5/23/00
Coliform, Fecal	MCL (TCR), Acute	2001-01802	2/1/01	Compliance Achieved	5/23/00
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01886	3/1/01	Compliance Achieved	5/23/00
IA1656750 ARROW CAFE (FAMILY TABLE RESTAURANT)		Population:	210	County: CEDAR	
Nitrite (as N)	Routine Major	2002-00599	1/1/01	Compliance Achieved	2/4/02
Nitrate (as N)	Routine Major	2002-03772	1/1/01	Compliance Achieved	2/4/02
IA4703068 ARTHUR MUNICIPAL WATER SUPPLY		Population:	245	County: IDA	
Coliform, Total (TCR)	Routine Major	2002-00119	11/1/01	Compliance Achieved	10/16/01
Coliform, Total (TCR)	Routine Major	2002-00347	12/1/01	Compliance Achieved	1/7/02
IA1700649 ASHLEY INN MOTEL & TRAILER CT.		Population:	40	County: CERRO GORDO	
Arsenic	Routine Major	2001-02508	1/1/01	Compliance Achieved	3/21/01
Arsenic	Routine Major	2001-02509	2/1/01	Compliance Achieved	3/21/01
IA0505077 AUDUBON WATER SUPPLY		Population:	2382	County: AUDUBON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03454	8/1/01	Compliance Achieved	3/1/02
IA3128314 AVALON SUPPER CLUB INC.		Population:	53	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2002-00351	7/1/01	Compliance Achieved	10/10/01
IA3902083 BAGLEY WATER SUPPLY		Population:	354	County: GUTHRIE	
Coliform, Total (TCR)	Routine Major	2002-00390	9/1/01	Compliance Achieved	10/25/01
IA5507085 BANCROFT WATER SUPPLY		Population:	808	County: KOSSUTH	
Coliform, Total (TCR)	Routine Major	2001-02828	6/1/01	Compliance Achieved	7/2/01
IA3109086 BANKSTON PUBLIC WATER SYSTEM		Population:	38	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-01634	1/1/01	Compliance Achieved	3/23/01
IA5003091 BAXTER WATER SUPPLY		Population:	1052	County: JASPER	
Sodium	Routine Major	2001-03060	7/1/98	Compliance Achieved	7/18/01
Arsenic	Routine Major	2001-03061	7/1/00	Compliance Achieved	7/18/01
IA2509202 BEACH GIRLS BAR		Population:	155	County: DALLAS	
Coliform, Total (TCR)	Routine Major	2001-01789	1/1/01	Compliance Achieved	2/26/01
IA2800622 BEACHLAND INN		Population:	40	County: DELAWARE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03955	10/1/01	NOV issued	11/5/01
IA0709886 BEAVER HILLS COUNTRY CLUB		Population:	107	County: BLACK HAWK	
Nitrate (as N)	Routine Major	2001-02051	4/1/00	Compliance Achieved	4/27/01
Coliform, Total (TCR)	Routine Major	2001-02780	4/1/01	Compliance Achieved	7/31/01
Coliform, Total (TCR)	Routine Major	2002-00088	10/1/01	Compliance Achieved	4/1/02
IA8709096 BEDFORD WATER WORKS		Population:	1620	County: TAYLOR	
Total Trihalomethanes (TTHM)	MCL, Average	2002-03997	10/1/01	NOV issued	11/20/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1716418 BELL HARBOR		Population:	40	County: CERRO GORDO	
Selenium	Routine Major	2001-03408	7/1/92	Compliance Achieved	8/23/01
Arsenic	Routine Major	2001-03409	7/1/92	Compliance Achieved	8/23/01
Barium	Routine Major	2001-03410	7/1/92	Compliance Achieved	8/23/01
Cadmium	Routine Major	2001-03411	7/1/92	Compliance Achieved	8/23/01
Chromium	Routine Major	2001-03412	7/1/92	Compliance Achieved	8/23/01
Fluoride	Routine Major	2001-03413	7/1/92	Compliance Achieved	8/23/01
Mercury	Routine Major	2001-03414	7/1/92	Compliance Achieved	8/23/01
Sodium	Routine Major	2001-03415	7/1/92	Compliance Achieved	8/23/01
Antimony	Routine Major	2001-03416	7/1/92	Compliance Achieved	8/23/01
Thallium	Routine Major	2001-03417	7/1/92	Compliance Achieved	8/23/01
IA3342890 BIG ROCK COUNTRY CLUB		Population:	52	County: FAYETTE	
Coliform, Total (TCR)	Routine Major	2001-01824	2/1/01	Compliance Achieved	4/23/01
Nitrate (as N)	Routine Major	2001-01855	2/1/01	Compliance Achieved	4/23/01
Nitrate (as N)	Routine Major	2001-03267	7/1/01	Compliance Achieved	8/6/01
Nitrate (as N)	Routine Major	2002-00246	11/1/01	Compliance Achieved	2/4/02
Nitrate (as N)	Routine Major	2002-00730	10/1/01	Compliance Achieved	2/4/02
IA5784316 BLAIRS FERRY MANOR		Population:	75	County: LINN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01813	3/1/01	AO w/o Penalty	11/6/01
Nitrate (as N)	Routine Major	2001-02095	1/1/01	Compliance Achieved	6/6/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03649	9/1/01	AO w/o Penalty	11/6/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00046	10/1/01	AO w/o Penalty	11/6/01
IA9630773 BLUFFTON STORE		Population:	163	County: WINNESHIEK	
Nitrate (as N)	Confirmation/Check Major	2001-01833	1/1/01	Compliance Achieved	5/7/01
Coliform, Total (TCR)	Routine Major	2001-02011	1/1/01	Compliance Achieved	4/2/01
IA5331201 BOGS BAR		Population:	27	County: JONES	
Coliform, Total (TCR)	Routine Major	2002-00741	12/1/01	Compliance Achieved	7/2/02
Coliform, Total (TCR)	Routine Major	2002-00818	9/1/01	Compliance Achieved	11/8/01
Coliform, Total (TCR)	Routine Major	2002-03905	10/1/01	Compliance Achieved	11/8/01
IA9644202 BONNIE & KLYDE'S		Population:	42	County: WINNESHIEK	
Coliform, Total (TCR)	Routine Major	2002-00761	10/1/01	Compliance Achieved	3/1/02
Nitrate (as N)	Routine Major	2002-00762	1/1/01	Compliance Achieved	3/1/02
Nitrite (as N)	Routine Major	2002-03855	1/1/01	Compliance Achieved	3/1/02
IA4070201 BOONDOCKS TRUCK HAVEN CAFE		Population:	945	County: HAMILTON	
Nitrate (as N)	Routine Major	2001-03004	7/1/00	Compliance Achieved	5/7/01
Coliform, Total (TCR)	Routine Major	2001-03005	4/1/01	Compliance Achieved	5/7/01
Nitrate (as N)	Confirmation/Check Major	2001-03594	7/1/01	NOV issued	9/25/01
Coliform, Total (TCR)	Routine Major	2002-03834	10/1/01	Compliance Achieved	1/7/02
Coliform, Total (TCR)	Routine Major	2002-03880	7/1/01	Compliance Achieved	8/6/01
IA0819033 BOONE WATER WORKS		Population:	12803	County: BOONE	
Lead	AL, 90th Percentile	2001-03120	1/1/01	Compliance Achieved	12/31/01
IA1967222 BRADFORD HOUSE		Population:	110	County: CHICKASAW	
Nitrate (as N)	Routine Major	2001-02916	7/1/00	Compliance Achieved	8/7/01
IA3183724 BREITBACH COUNTRY DINING		Population:	55	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2002-00187	9/1/01	Compliance Achieved	10/16/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5715301 BRITTANY ESTATES HOMEOWNER'S		Population:	105	County: LINN	
Arsenic	Routine Major	2002-00452	10/1/00	Compliance Achieved	10/11/01
Sodium	Routine Major	2002-00453	10/1/98	Compliance Achieved	10/11/01
IA2330301 BROOK HILL SUBDIVISION		Population:	36	County: CLINTON	
Coliform, Total (TCR)	Repeat Major	2001-03532	8/1/01	Compliance Achieved	9/18/01
IA0709201 BROWN BOTTLE RESTAURANT		Population:	225	County: BLACK HAWK	
Nitrate (as N)	Routine Major	2001-03312	7/1/01	Compliance Achieved	9/5/01
IA4515782 BUBBA'S BAR & GRILL		Population:	42	County: HOWARD	
Nitrate (as N)	Confirmation/Check Major	2002-00257	10/1/01	Compliance Achieved	2/11/02
Nitrate (as N)	Routine Major	2002-03844	10/1/00	Compliance Achieved	2/11/02
IA2413001 BUCK GROVE		Population:	49	County: CRAWFORD	
Nitrate (as N)	MCL, Single	2001-01562	1/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-01615	2/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-01816	3/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-01913	4/1/01	BCA issued	12/13/99
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02488	5/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-02489	5/1/01	BCA issued	12/13/99
Coliform, Fecal	MCL (TCR), Acute	2001-02515	5/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-02652	6/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-02699	7/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-03167	8/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2001-03643	9/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2002-03952	10/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2002-04010	11/1/01	BCA issued	12/13/99
Nitrate (as N)	MCL, Single	2002-04043	12/1/01	BCA issued	12/13/99
IA2391203 BUZZY'S		Population:	27	County: CLINTON	
Coliform, Total (TCR)	Routine Major	2002-00747	10/1/01	Compliance Achieved	1/30/02
IA3554505 CAL GRADE AND HIGH SCHOOL		Population:	325	County: FRANKLIN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03111	7/1/01	Compliance Achieved	1/16/02
IA8215448 CAMP ABE LINCOLN		Population:	230	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2002-00590	7/1/01	Compliance Achieved	12/19/01
Nitrate (as N)	Routine Major	2002-00683	10/1/00	Compliance Achieved	12/19/01
IA6985401 CAMP ALDERSGATE		Population:	62	County: MONTGOMERY	
Coliform, Total (TCR)	Routine Major	2002-00318	9/1/01	Compliance Achieved	11/7/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03983	10/1/01	Compliance Achieved	6/30/02
IA2809812 CAMP C S KLAUS BOY SCOUT CAMP		Population:	152	County: DUBUQUE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02520	4/1/01	BCA issued	8/21/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02696	7/1/01	BCA issued	8/21/01
Nitrate (as N)	Routine Major	2001-02891	7/1/00	Compliance Achieved	7/23/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03150	8/1/01	BCA issued	8/21/01
IA8264446 CAMP CONESTOGA NO2 (STAFF HOUSE)		Population:	150	County: SCOTT	
Nitrate (as N)	Routine Major	2001-02065	4/1/00	Compliance Achieved	5/15/01
IA8264447 CAMP CONESTOGA NO3		Population:	128	County: SCOTT	
Nitrate (as N)	Routine Major	2001-02023	4/1/00	Compliance Achieved	5/15/01
IA2279401 CAMP EWALU - OUTPOST		Population:	27	County: CLAYTON	
Nitrate (as N)	Routine Major	2002-00795	10/1/00	Compliance Achieved	6/24/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA2279402 CAMP EWALU - PIONEER		Population:	27	County: CLAYTON	
Nitrate (as N)	Routine Major	2002-03871	10/1/00	NOV issued	10/22/01
IA2279403 CAMP EWALU - POOL		Population:	27	County: CLAYTON	
Nitrate (as N)	Routine Major	2002-00798	7/1/01	Compliance Achieved	6/24/02
IA0990401 CAMP INGAWANIS-MAPLE WELL		Population:	406	County: BREMER	
Nitrate (as N)	Routine Major	2001-02987	4/1/01	Compliance Achieved	11/7/01
Nitrate (as N)	Routine Major	2002-03877	7/1/01	Compliance Achieved	11/7/01
IA1716417 CAMP TANGLEFOOT		Population:	25	County: CERRO GORDO	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03119	7/1/01	Compliance Achieved	3/4/02
IA2326201 CANYON CREEK GOLF COURSE		Population:	45	County: CLINTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04005	10/1/01	NOV issued	12/3/01
IA6222101 CARGILL, INC. (EDDYVILLE)		Population:	1025	County: MAHASKA	
Turbidity	Treatment Techniques (SWTR)	2001-01872	2/1/01	Compliance Achieved	8/31/01
IA5322201 CARLSON COUNTRY STORE / FAIRVIEW		Population:	414	County: JONES	
Coliform, Total (TCR)	Routine Major	2001-02967	4/1/01	Compliance Achieved	7/10/01
IA5700601 CARLTON MOBILE HOME COURT		Population:	85	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02829	6/1/01	Compliance Achieved	7/9/01
IA6616772 CARPENTER BAR/GRILL		Population:	52	County: MITCHELL	
Coliform, Total (TCR)	Routine Major	2001-01625	1/1/01	Compliance Achieved	3/24/01
Nitrate (as N)	Routine Major	2002-00673	7/1/01	Compliance Achieved	2/12/02
Nitrate (as N)	Routine Major	2002-03766	10/1/01	Compliance Achieved	2/12/02
IA8209307 CARRIAGE PLACE ESTATES HOA		Population:	125	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2001-03234	7/1/01	Compliance Achieved	8/20/01
IA7052201 CASEYS GENERAL STORE - NICHOLS		Population:	26	County: MUSCATINE	
Coliform, Total (TCR)	Routine Major	2002-00678	10/1/01	Compliance Achieved	1/14/02
IA5715744 CED REL SUPPER CLUB AND MOTEL		Population:	38	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02004	1/1/01	Compliance Achieved	5/23/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03473	8/1/01	NOV issued	9/7/01
Coliform, Fecal	MCL (TCR), Acute	2001-03493	8/1/01	NOV issued	9/7/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03651	9/1/01	NOV issued	9/26/01
Coliform, Total (TCR)	Repeat Major	2002-00309	9/1/01	Compliance Achieved	12/6/01
Coliform, Total (TCR)	Repeat Major	2002-03691	9/1/01	Compliance Achieved	12/6/01
IA3414494 CEDAR SPRINGS WESLEYAN CAMP		Population:	25	County: FLOYD	
Nitrate (as N)	Routine Major	2002-03790	1/1/01	Compliance Achieved	2/5/01
IA5715103 CENTRAL IOWA POWER COOPERATIVE		Population:	47	County: LINN	
Copper	Routine Tap	2002-00500	6/1/99	NOV issued	10/22/01
Lead	Routine Tap	2002-00501	6/1/99	NOV issued	10/22/01
IA5315967 CENTRAL PK-JONES CONSERVATION		Population:	101	County: JONES	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02511	4/1/01	AO w/ Penalty	4/8/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02641	6/1/01	AO w/ Penalty	4/8/02
Nitrate (as N)	Routine Major	2001-02935	7/1/00	AO w/ Penalty	4/8/02
Coliform, Total (TCR)	Routine Major	2001-03202	7/1/01	Compliance Achieved	10/17/01
Nitrate (as N)	Confirmation/Check Major	2001-03578	7/1/01	AO w/ Penalty	4/8/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5282307 CHAIN RIDGE SUBDIVISION		Population:	40	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-01788	1/1/01	Compliance Achieved	2/4/01
Coliform, Total (TCR)	Routine Major	2001-02451	4/1/01	Compliance Achieved	6/11/01
Selenium	Routine Major	2001-03361	7/1/92	Compliance Achieved	9/4/01
Arsenic	Routine Major	2001-03362	7/1/92	Compliance Achieved	9/4/01
Barium	Routine Major	2001-03363	7/1/92	Compliance Achieved	9/4/01
Cadmium	Routine Major	2001-03364	7/1/92	Compliance Achieved	9/4/01
Chromium	Routine Major	2001-03365	7/1/92	Compliance Achieved	9/4/01
Fluoride	Routine Major	2001-03366	7/1/92	Compliance Achieved	9/4/01
Mercury	Routine Major	2001-03367	7/1/92	Compliance Achieved	9/4/01
Sodium	Routine Major	2001-03368	7/1/92	Compliance Achieved	9/4/01
Antimony	Routine Major	2001-03369	7/1/92	Compliance Achieved	9/4/01
Thallium	Routine Major	2001-03370	7/1/92	Compliance Achieved	9/4/01
Coliform, Total (TCR)	Routine Major	2001-03625	8/1/01	Compliance Achieved	9/5/01
IA3405895 CHARLES CITY GOLF COURSE		Population:	75	County: FLOYD	
Coliform, Total (TCR)	Routine Major	2002-00313	10/1/01	Compliance Achieved	4/30/02
IA2417018 CHARTER OAK WATER SUPPLY		Population:	530	County: CRAWFORD	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02221	5/1/01	Compliance Achieved	12/31/01
IA4219203 CHRISTINE'S BAR & GRILL		Population:	37	County: HARDIN	
Coliform, Total (TCR)	Routine Major	2002-03862	7/1/01	Compliance Achieved	10/5/01
IA1630028 CLARENCE WATER SUPPLY		Population:	1008	County: CEDAR	
Arsenic	Routine Major	2001-03062	7/1/00	Compliance Achieved	8/7/01
Sodium	Routine Major	2001-03063	7/1/98	Compliance Achieved	8/7/01
IA7329029 CLARINDA WATER PLANT		Population:	5690	County: PAGE	
Turbidity	Treatment Techniques (SWTR)	2001-01906	3/1/01	Compliance Achieved	4/30/01
IA7038402 CLARK'S FERRY		Population:	52	County: MUSCATINE	
Coliform, Total (TCR)	Repeat Major	2002-00249	10/1/01	Compliance Achieved	4/9/02
Nitrate (as N)	Routine Major	2002-00659	10/1/00	Compliance Achieved	10/10/01
IA2203039 CLAYTON WATER SUPPLY		Population:	55	County: CLAYTON	
Sodium	Routine Major	2002-00412	10/1/98	Compliance Achieved	11/19/01
Arsenic	Routine Major	2002-00419	10/1/00	Compliance Achieved	11/19/01
IA0315402 CONESTOGA CNCL/POLLY'S PLACE		Population:	26	County: ALLAMAKEE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02479	4/1/01	Compliance Achieved	11/26/01
IA5225201 CORALVILLE LAKE MARINA		Population:	79	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03474	7/1/01	Compliance Achieved	3/26/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03512	9/1/01	Compliance Achieved	3/26/02
Coliform, Fecal	MCL (TCR), Acute	2001-03650	7/1/01	Compliance Achieved	3/26/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00047	10/1/01	Compliance Achieved	3/26/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5200817 CORALVILLE LAKE TERRACE		Population:	340	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02516	5/1/01	BCA issued	4/8/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02666	6/1/01	BCA issued	4/8/02
Coliform, Total (TCR)	Repeat Major	2001-03195	6/1/01	Compliance Achieved	8/8/01
Coliform, Total (TCR)	Repeat Major	2001-03196	6/1/01	Compliance Achieved	8/8/01
Coliform, Total (TCR)	Repeat Major	2001-03197	6/1/01	Compliance Achieved	8/8/01
Coliform, Total (TCR)	Repeat Major	2001-03198	6/1/01	Compliance Achieved	8/8/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00004	9/1/01	BCA issued	4/8/02
Nitrate (as N)	Routine Major	2002-03784	1/1/01	Compliance Achieved	1/23/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03970	10/1/01	BCA issued	4/8/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04015	11/1/01	BCA issued	4/8/02
IA3600901 COUNTRY ACRES CARE		Population:	30	County: FREMONT	
Coliform, Total (TCR)	Routine Major	2001-02807	4/1/01	Compliance Achieved	9/28/01
IA8222302 COUNTRY ACRES WATER ASSOC. # 1		Population:	61	County: SCOTT	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03464	8/1/01	Compliance Achieved	2/4/02
IA0600673 COUNTRY AIR MOBILE COURT		Population:	50	County: BENTON	
Sodium	Routine Major	2001-03056	7/1/98	Compliance Achieved	7/20/01
Arsenic	Routine Major	2001-03057	7/1/00	Compliance Achieved	7/20/01
Coliform, Total (TCR)	Routine Major	2001-03597	8/1/01	Compliance Achieved	9/19/01
IA7073301 COUNTRY HEIGHTS		Population:	91	County: MUSCATINE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03976	11/1/01	NOV issued	11/14/01
IA3122301 COUNTRY HILLS WATER CORP		Population:	41	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-01995	3/1/01	Compliance Achieved	4/25/01
Coliform, Total (TCR)	Routine Major	2002-00183	10/1/01	Compliance Achieved	12/19/01
IA1900638 COUNTRY HOME ESTATES		Population:	39	County: CHICKASAW	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03637	9/1/01	Compliance Achieved	3/19/02
IA5784307 COUNTRY MANOR ESTATES		Population:	196	County: LINN	
Coliform, Total (TCR)	Repeat Major	2001-03205	7/1/01	Compliance Achieved	8/1/01
IA0700675 COUNTRY TERRACE MOBILE HOME PARK		Population:	1000	County: BLACK HAWK	
Coliform, Total (TCR)	Routine Major	2001-02591	5/1/01	Compliance Achieved	8/27/01
Coliform, Total (TCR)	Routine Major	2001-03179	7/1/01	Compliance Achieved	8/27/01
IA9233899 COUNTRY VIEW HOMES		Population:	31	County: WASHINGTON	
Arsenic	Routine Major	2002-03728	10/1/00	Compliance Achieved	10/31/01
IA9214085 CRAWFORDSVILLE WATER SUPPLY		Population:	295	County: WASHINGTON	
Coliform, Total (TCR)	Repeat Major	2001-02727	6/1/01	Compliance Achieved	7/11/01
IA4515201 CRESCO FOOD TECHNOLOGIES		Population:	42	County: HOWARD	
Coliform, Total (TCR)	Routine Major	2002-03693	10/1/01	Compliance Achieved	2/4/02
IA4515778 CRESCO GOLF AND COUNTRY CLUB		Population:	36	County: HOWARD	
Nitrate (as N)	Routine Major	2001-02314	4/1/01	Compliance Achieved	5/9/01
Nitrate (as N)	Routine Major	2001-03620	8/1/01	Compliance Achieved	9/24/01
Nitrate (as N)	MCL, Single	2002-03996	11/1/01	Compliance Achieved	5/22/02
IA4884724 CREST MOTEL		Population:	32	County: IOWA	
Coliform, Total (TCR)	Routine Major	2001-02001	1/1/01	Compliance Achieved	5/29/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA8500605 CRESTVIEW TRAILER PARK		Population:	72	County: STORY	
Coliform, Total (TCR)	Repeat Major	2001-02567	5/1/01	Compliance Achieved	6/26/01
Coliform, Total (TCR)	Repeat Major	2001-03208	6/1/01	Compliance Achieved	4/30/02
Coliform, Total (TCR)	Routine Major	2001-03209	7/1/01	Compliance Achieved	4/30/02
Coliform, Total (TCR)	Routine Major	2001-03612	8/1/01	Compliance Achieved	4/30/02
Consumer Confidence Reports	Consumer Confidence Report	2001-03633	7/1/01	AO w/ Penalty	11/6/01
Coliform, Total (TCR)	Routine Major	2002-00233	11/1/01	Compliance Achieved	4/30/02
Coliform, Total (TCR)	Routine Major	2002-00377	10/1/01	Compliance Achieved	4/30/02
Coliform, Total (TCR)	Routine Major	2002-00482	12/1/01	Compliance Achieved	4/30/02
Coliform, Total (TCR)	Routine Major	2002-03779	9/1/01	Compliance Achieved	4/30/02
IA5784314 CRESTWOOD ACRES		Population:	142	County: LINN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03465	8/1/01	AO w/o Penalty	11/6/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03508	9/1/01	AO w/o Penalty	11/6/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00029	10/1/01	AO w/o Penalty	11/6/01
IA9271801 CROOKED CREEK CHRISTIAN CAMP		Population:	77	County: WASHINGTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03502	7/1/01	Compliance Achieved	3/11/02
IA5252301 CUMBERLAND RIDGE FIRST ADDITION		Population:	55	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03472	8/1/01	Compliance Achieved	3/24/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00005	9/1/01	Compliance Achieved	3/24/02
IA3070434 CUTTY'S OKOBOJI RESORT CLUB		Population:	285	County: DICKINSON	
Coliform, Total (TCR)	Routine Major	2002-00234	10/1/01	Compliance Achieved	1/7/02
Coliform, Total (TCR)	Routine Major	2002-00674	10/1/01	Compliance Achieved	1/7/02
IA9729099 DANBURY WATER SUPPLY		Population:	384	County: WOODBURY	
Nitrate (as N)	MCL, Single	2002-04033	12/1/01	NOV issued	12/17/01
IA4535779 DAVIS CORNERS CAFE		Population:	26	County: HOWARD	
Coliform, Total (TCR)	Routine Major	2001-03190	7/1/01	Compliance Achieved	8/27/01
IA4884726 DAYS INN 1ST & 2ND ADDITION		Population:	95	County: IOWA	
Coliform, Total (TCR)	Routine Major	2001-03009	4/1/01	Compliance Achieved	9/27/01
IA9932104 DECOSTER FARMS FEED MILL		Population:	50	County: WRIGHT	
Coliform, Total (TCR)	Routine Major	2001-03006	4/1/01	Compliance Achieved	1/4/02
Nitrate (as N)	Confirmation/Check Major	2002-00329	10/1/01	Compliance Achieved	1/4/02
Nitrite (as N)	Confirmation/Check Major	2002-00333	10/1/01	Compliance Achieved	1/4/02
Coliform, Total (TCR)	Routine Major	2002-00725	10/1/01	Compliance Achieved	1/4/02
Coliform, Total (TCR)	Routine Major	2002-00811	7/1/01	Compliance Achieved	1/4/02
Nitrite (as N)	Routine Major	2002-00812	10/1/00	Compliance Achieved	1/4/02
Nitrate (as N)	Routine Major	2002-00813	10/1/00	Compliance Achieved	1/4/02
IA9433302 DEER CREEK SUBDIVISION (FORT DODGE)		Population:	39	County: WEBSTER	
Coliform, Total (TCR)	Routine Major	2002-00503	10/1/01	Compliance Achieved	2/12/02
Nitrite (as N)	Routine Major	2002-00548	1/1/01	Compliance Achieved	2/12/02
Nitrate (as N)	Routine Major	2002-00549	1/1/01	Compliance Achieved	2/12/02
IA2817457 DELHI LAKEVIEW ESTATES, INC. #2		Population:	50	County: DELAWARE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01563	1/1/01	Compliance Achieved	7/22/01
IA2424027 DENISON WATER SUPPLY		Population:	7339	County: CRAWFORD	
Nitrate (as N)	Routine Major	2002-00745	10/1/00	Compliance Achieved	12/11/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5617029 DENMARK MUNIC WATER SUPPLY		Population:	337	County: LEE	
Coliform, Total (TCR)	Routine Major	2001-01639	1/1/01	Compliance Achieved	2/20/01
Benzene	Routine Major	2001-02280	4/1/96	Compliance Achieved	4/24/01
Carbon Tetrachloride	Routine Major	2001-02281	4/1/96	Compliance Achieved	4/24/01
o-Dichlorobenzene	Routine Major	2001-02282	4/1/96	Compliance Achieved	4/24/01
p-Dichlorobenzene	Routine Major	2001-02283	4/1/96	Compliance Achieved	4/24/01
1,2-Dichloroethane	Routine Major	2001-02284	4/1/96	Compliance Achieved	4/24/01
cis-1,2-Dichloroethylene	Routine Major	2001-02285	4/1/96	Compliance Achieved	4/24/01
1,1-Dichloroethylene	Routine Major	2001-02286	4/1/96	Compliance Achieved	4/24/01
trans-1,2-Dichloroethylene	Routine Major	2001-02287	4/1/96	Compliance Achieved	4/24/01
Dichloromethane	Routine Major	2001-02288	4/1/96	Compliance Achieved	4/24/01
1,2-Dichloropropane	Routine Major	2001-02289	4/1/96	Compliance Achieved	4/24/01
Ethylbenzene	Routine Major	2001-02290	4/1/96	Compliance Achieved	4/24/01
Monochlorobenzene	Routine Major	2001-02291	4/1/96	Compliance Achieved	4/24/01
Styrene	Routine Major	2001-02292	4/1/96	Compliance Achieved	4/24/01
Tetrachloroethylene	Routine Major	2001-02293	4/1/96	Compliance Achieved	4/24/01
Toluene	Routine Major	2001-02294	4/1/96	Compliance Achieved	4/24/01
1,2,4-Trichlorobenzene	Routine Major	2001-02295	4/1/96	Compliance Achieved	4/24/01
1,1,1-Trichloroethane	Routine Major	2001-02296	4/1/96	Compliance Achieved	4/24/01
1,1,2-Trichloroethane	Routine Major	2001-02297	4/1/96	Compliance Achieved	4/24/01
Trichloroethylene	Routine Major	2001-02298	4/1/96	Compliance Achieved	4/24/01
Vinyl Chloride	Routine Major	2001-02299	4/1/96	Compliance Achieved	4/24/01
Xylenes	Routine Major	2001-02300	4/1/96	Compliance Achieved	4/24/01
Alachlor (Lasso)	Routine Major	2001-02301	4/1/96	Compliance Achieved	4/24/01
Atrazine	Routine Major	2001-02302	4/1/96	Compliance Achieved	4/24/01
Benzo (a) Pyrene	Routine Major	2001-02303	4/1/96	Compliance Achieved	4/24/01
2,4-D	Routine Major	2001-02304	4/1/96	Compliance Achieved	4/24/01
Dalapon	Routine Major	2001-02305	4/1/96	Compliance Achieved	4/24/01
Di(2-Ethylhexyl) Adipate	Routine Major	2001-02306	4/1/96	Compliance Achieved	4/24/01
Di(2-Ethylhexyl) Phthalate	Routine Major	2001-02307	4/1/96	Compliance Achieved	4/24/01
Dinoseb	Routine Major	2001-02308	4/1/96	Compliance Achieved	4/24/01
Pentachlorophenol	Routine Major	2001-02309	4/1/96	Compliance Achieved	4/24/01
Picloram	Routine Major	2001-02310	4/1/96	Compliance Achieved	4/24/01
Simazine	Routine Major	2001-02311	4/1/96	Compliance Achieved	4/24/01
2,4,5-TP (Silvex)	Routine Major	2001-02312	4/1/96	Compliance Achieved	4/24/01
IA7727001 DES MOINES WATER WORKS - MAFFITT		Population:	25	County: POLK	
Total Trihalomethanes (TTHM)	Routine Major	2001-02981	4/1/01	Compliance Achieved	8/3/01
IA2258603 DIAMOND EAGLE VILLAGE		Population:	57	County: CLAYTON	
Arsenic	Routine Major	2002-00456	10/1/00	Compliance Achieved	11/19/01
Sodium	Routine Major	2002-00460	10/1/98	Compliance Achieved	11/19/01
IA2109041 DICKENS WATER WORKS		Population:	202	County: CLAY	
Copper	Routine Tap	2002-04049	6/1/98	NOV issued	12/13/01
Lead	Routine Tap	2002-04050	6/1/98	NOV issued	12/13/01
IA8225495 DIXON MEMORIAL PARK		Population:	30	County: SCOTT	
Nitrate (as N)	Routine Major	2001-02889	7/1/00	Compliance Achieved	8/7/01
September 30, 2002					

Table B (Major 2001 Violations) Page 9 of 41

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA0709205 DOERFER ENGINEERING COMPANY		Population:	80	County: BLACK HAWK	
Coliform, Total (TCR)	Routine Major	2001-01984	1/1/01	Compliance Achieved	4/24/01
Nitrate (as N)	Routine Major	2002-00650	9/1/01	Compliance Achieved	10/26/01
IA9453964 DOLLIVER STATE PARK		Population:	340	County: WEBSTER	
Coliform, Total (TCR)	Routine Major	2001-03616	8/1/01	Compliance Achieved	8/7/01
Coliform, Total (TCR)	Routine Major	2002-03702	10/1/01	Compliance Achieved	10/1/01
IA8227045 DONAHUE MUNI WATER SYSTEM		Population:	293	County: SCOTT	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00006	9/1/01	Compliance Achieved	3/21/02
IA5620046 DONNELSON MUNI WATER WORKS		Population:	963	County: LEE	
Sodium	Routine Major	2001-03037	7/1/98	Compliance Achieved	8/6/01
Arsenic	Routine Major	2001-03038	7/1/00	Compliance Achieved	8/6/01
Alachlor (Lasso)	Routine Major	2002-00344	7/1/01	Compliance Achieved	11/26/01
Atrazine	Routine Major	2002-00349	7/1/01	Compliance Achieved	11/26/01
IA7820203 DOUBLE BAR SEVEN		Population:	43	County: POTTAWATTAMIE	
Nitrate (as N)	Routine Major	2001-02028	1/1/01	Compliance Achieved	4/4/01
IA3126203 DOUBLE JJ BAR		Population:	42	County: DUBUQUE	
Nitrate (as N)	Routine Major	2001-02936	7/1/00	Compliance Achieved	8/16/01
IA5280201 DRY DOCK SPORTS BAR & GRILL		Population:	29	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02553	4/1/01	Compliance Achieved	8/30/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02686	7/1/01	Compliance Achieved	8/30/01
Nitrate (as N)	Routine Major	2001-02969	7/1/00	Compliance Achieved	7/30/01
IA3126882 DUBUQUE SHOOTING SOCIETY		Population:	85	County: DUBUQUE	
Nitrate (as N)	Routine Major	2002-03771	1/1/01	Compliance Achieved	1/8/02
IA3130883 DYERSVILLE GOLF AND COUNTRY CLUB		Population:	82	County: DUBUQUE	
Nitrate (as N)	Routine Major	2001-02313	4/1/01	Compliance Achieved	5/21/01
Nitrate (as N)	MCL, Single	2001-02519	5/1/01	Compliance Achieved	7/22/02
Nitrate (as N)	MCL, Single	2001-02535	6/1/01	Compliance Achieved	7/22/02
Nitrate (as N)	Routine Major	2002-03806	9/1/01	Compliance Achieved	6/26/02
IA8215308 EAGLE LANE CORPORATION		Population:	87	County: SCOTT	
Lead	AL, 90th Percentile	2002-04202	6/1/99	Compliance Achieved	6/5/02
Copper	Routine Tap	2002-04204	6/1/99	Compliance Achieved	6/5/02
Lead	Routine Tap	2002-04205	6/1/99	Compliance Achieved	6/5/02
IA2825101 EASTERN IA PORK MANUFACTURING INC		Population:	66	County: DELAWARE	
Arsenic	Routine Major	2002-00410	10/1/00	Compliance Achieved	10/31/01
IA1509706 ECONO LODGE		Population:	37	County: CASS	
Nitrate (as N)	Routine Major	2002-00713	10/1/00	Compliance Achieved	11/30/01
Nitrate (as N)	Routine Major	2002-00715	10/1/00	Compliance Achieved	11/30/01
IA6403301 EDGETOWN MOBILE HOME COURT		Population:	25	County: MARSHALL	
Coliform, Total (TCR)	Routine Major	2002-00743	10/1/01	Compliance Achieved	11/4/01
IA2258494 EFFIGY MOUNDS NATIONAL MONUMENT		Population:	328	County: CLAYTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02523	4/1/01	Compliance Achieved	4/8/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03101	7/1/01	Compliance Achieved	4/8/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00015	10/1/01	Compliance Achieved	4/8/02
IA9053004 ELDON WATER SUPPLY		Population:	998	County: WAPELLO	
Coliform, Total (TCR)	Routine Major	2001-01848	2/1/01	Compliance Achieved	3/19/01
Coliform, Total (TCR)	Routine Major	2002-00488	12/1/01	Compliance Achieved	1/8/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA3338010 ELGIN MUNICIPAL WATER SUPPLY		Population:	676	County: FAYETTE	
Coliform, Total (TCR)	Routine Major	2001-03603	8/1/01	Compliance Achieved	9/12/01
IA5728018 ELY WATER SUPPLY		Population:	1149	County: LINN	
Sodium	Routine Major	2002-00242	10/1/98	Compliance Achieved	11/26/01
Arsenic	Routine Major	2002-00247	10/1/00	Compliance Achieved	11/26/01
IA5720201 F B & COMPANY		Population:	42	County: LINN	
Coliform, Total (TCR)	Routine Major	2002-00508	7/1/01	Compliance Achieved	9/28/01
Nitrate (as N)	Routine Major	2002-00642	7/1/01	Compliance Achieved	9/28/01
IA5225386 FAR HORIZONS SUBDIVISION		Population:	80	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03444	8/1/01	Compliance Achieved	2/4/02
IA9926101 FARMLAND INDUSTRIES/EAGLE GROVE		Population:	40	County: WRIGHT	
Coliform, Total (TCR)	Routine Major	2002-03802	10/1/01	Compliance Achieved	3/18/02
IA5307811 FAWN CREEK COUNTRY CLUB		Population:	50	County: JONES	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04027	10/1/01	NOV issued	12/21/01
IA4535101 FEATHERLITE MANUFACTURING, INC.		Population:	125	County: HOWARD	
Coliform, Total (TCR)	Routine Major	2002-00415	7/1/01	Compliance Achieved	10/29/01
Nitrate (as N)	Routine Major	2002-00677	10/1/00	Compliance Achieved	10/29/01
IA7856801 FELLOWSHIP OF FAITH CHRISTIAN CENTER		Population:	303	County: POTTAWATTAMIE	
Nitrate (as N)	Routine Major	2002-00699	1/1/01	Compliance Achieved	2/5/02
IA4884785 FETZER STANDARD		Population:	255	County: IOWA	
Coliform, Total (TCR)	Routine Major	2001-03193	7/1/01	Compliance Achieved	8/27/01
IA7820206 FILL AND FOOD #10		Population:	164	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2001-03350	7/1/01	Compliance Achieved	8/2/01
IA7849202 FILL AND FOOD #7		Population:	51	County: POTTAWATTAMIE	
Nitrate (as N)	Routine Major	2002-00731	10/1/00	Compliance Achieved	12/3/01
IA3118729 FILLMORE BAR AND GRILL		Population:	55	County: DUBUQUE	
Nitrate (as N)	Routine Major	2001-02094	4/1/00	Compliance Achieved	5/8/01
IA7603045 FONDA WATER SUPPLY		Population:	648	County: POCAHONTAS	
Copper	AL, 90th Percentile	2001-02547	7/1/01	NOV issued	6/15/01
IA1031401 FONTANA PARK-PICNIC AREA		Population:	37	County: BUCHANAN	
Coliform, Total (TCR)	Routine Major	2001-01986	1/1/01	Compliance Achieved	4/10/01
IA5307101 FOOD WASTE SOLUTIONS		Population:	120	County: JONES	
Nitrate (as N)	Routine Major	2001-02453	4/1/01	Compliance Achieved	5/3/01
Lead	AL, 90th Percentile	2002-03971	6/1/01	NOV issued	12/26/01
IA9525201 FOREST CITY COW PALACE		Population:	27	County: WINNEBAGO	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03123	7/1/01	Compliance Achieved	2/18/02
Coliform, Fecal	MCL (TCR), Acute	2001-03446	7/1/01	Compliance Achieved	2/18/02
Coliform, Total (TCR)	Routine Major	2002-03803	10/1/01	Compliance Achieved	2/18/02
IA3218930 FORT DEFIANCE STATE PARK		Population:	104	County: EMMET	
Coliform, Total (TCR)	Routine Major	2001-02257	4/1/01	Compliance Achieved	5/16/01
Coliform, Total (TCR)	Routine Major	2001-02801	6/1/01	Compliance Achieved	7/18/01
IA9433050 FORT DODGE WATER SUPPLY		Population:	25136	County: WEBSTER	
Nitrate (as N)	Routine Major	2001-02929	7/1/00	Compliance Achieved	8/28/01
Nitrate (as N)	Routine Major	2001-02930	7/1/00	Compliance Achieved	8/28/01
Nitrate (as N)	Routine Major	2001-02931	7/1/00	Compliance Achieved	8/28/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5715802 FOUR OAKS		Population:	60	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02979	6/1/01	Compliance Achieved	7/16/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03097	7/1/01	Compliance Achieved	1/8/02
Copper	Routine Tap	2002-03820	7/1/01	Compliance Achieved	1/30/02
Lead	Routine Tap	2002-03821	7/1/01	Compliance Achieved	1/30/02
IA0922729 FREDERIKA'S STEIN & DINE		Population:	53	County: BREMER	
Coliform, Total (TCR)	Repeat Major	2001-01324	10/1/00	Compliance Achieved	6/20/01
IA1074833 FRIENDLY TAVERN		Population:	77	County: BUCHANAN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03513	7/1/01	NOV issued	9/24/01
IA9641049 FT ATKINSON WATER WORKS		Population:	389	County: WINNESHIEK	
Nitrate (as N)	Routine Major	2001-02933	7/1/00	Compliance Achieved	7/24/01
Nitrate (as N)	Routine Major	2001-02934	7/1/00	Compliance Achieved	7/24/01
IA4242001 GARDEN CITY WATER SUPPLY		Population:	125	County: HARDIN	
Arsenic	Routine Major	2002-00272	10/1/01	Compliance Achieved	3/19/02
Sodium	Routine Major	2002-00385	10/1/98	Compliance Achieved	11/6/01
IA5225312 GATEWAY DEVELOPMENT		Population:	25	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2002-00459	7/1/01	Compliance Achieved	12/26/01
Toluene	Routine Major	2002-00465	7/1/01	Compliance Achieved	12/26/01
IA3539080 GENEVA WATER WORKS		Population:	171	County: FRANKLIN	
Nitrate (as N)	Routine Major	2002-03814	10/1/00	Compliance Achieved	11/1/01
IA4248201 GIFFORD CAFE		Population:	28	County: HARDIN	
Nitrate (as N)	Confirmation/Check Major	2002-00361	10/1/01	Compliance Achieved	12/26/01
Nitrate (as N)	Confirmation/Check Major	2002-00369	10/1/01	Compliance Achieved	12/26/01
Nitrite (as N)	Confirmation/Check Major	2002-00370	10/1/01	Compliance Achieved	12/26/01
Coliform, Total (TCR)	Routine Major	2002-03889	7/1/01	Compliance Achieved	12/26/01
Nitrite (as N)	Routine Major	2002-03890	10/1/00	Compliance Achieved	12/26/01
Nitrate (as N)	Routine Major	2002-03891	10/1/00	Compliance Achieved	12/26/01
IA8531083 GILBERT WATER SUPPLY		Population:	987	County: STORY	
Copper	AL, 90th Percentile	2002-03958	1/1/01	BCA issued	10/31/01
Copper	AL, 90th Percentile	2002-04074	7/1/01	NOV issued	1/16/02
IA2127085 GILLETT GROVE WATER SUPPLY		Population:	55	County: CLAY	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03500	9/1/01	Compliance Achieved	2/5/02
IA7607088 GILMORE CITY WATERWORKS		Population:	556	County: POCAHONTAS	
Coliform, Total (TCR)	Routine Major	2001-03233	7/1/01	Compliance Achieved	8/7/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA3203102 GKN ARMSTRONG WHEELS		Population:	230	County: EMMET	
Coliform, Total (TCR)	Routine Major	2001-02798	4/1/01	Compliance Achieved	7/23/01
1,2,4-Trichlorobenzene	Routine Major	2001-03314	7/1/96	Compliance Achieved	9/18/01
cis-1,2-Dichloroethylene	Routine Major	2001-03315	7/1/96	Compliance Achieved	9/18/01
Xylenes	Routine Major	2001-03316	7/1/96	Compliance Achieved	9/18/01
Dichloromethane	Routine Major	2001-03317	7/1/96	Compliance Achieved	9/18/01
o-Dichlorobenzene	Routine Major	2001-03318	7/1/96	Compliance Achieved	9/18/01
p-Dichlorobenzene	Routine Major	2001-03319	7/1/96	Compliance Achieved	9/18/01
Vinyl Chloride	Routine Major	2001-03320	7/1/96	Compliance Achieved	9/18/01
1,1-Dichloroethylene	Routine Major	2001-03321	7/1/96	Compliance Achieved	9/18/01
trans-1,2-Dichloroethylene	Routine Major	2001-03322	7/1/96	Compliance Achieved	9/18/01
1,2-Dichloroethane	Routine Major	2001-03323	7/1/96	Compliance Achieved	9/18/01
1,1,1-Trichloroethane	Routine Major	2001-03324	7/1/96	Compliance Achieved	9/18/01
Carbon Tetrachloride	Routine Major	2001-03325	7/1/96	Compliance Achieved	9/18/01
1,2-Dichloropropane	Routine Major	2001-03326	7/1/96	Compliance Achieved	9/18/01
Trichloroethylene	Routine Major	2001-03327	7/1/96	Compliance Achieved	9/18/01
1,1,2-Trichloroethane	Routine Major	2001-03328	7/1/96	Compliance Achieved	9/18/01
Tetrachloroethylene	Routine Major	2001-03329	7/1/96	Compliance Achieved	9/18/01
Monochlorobenzene	Routine Major	2001-03330	7/1/96	Compliance Achieved	9/18/01
Benzene	Routine Major	2001-03331	7/1/96	Compliance Achieved	9/18/01
Toluene	Routine Major	2001-03332	7/1/96	Compliance Achieved	9/18/01
Ethylbenzene	Routine Major	2001-03333	7/1/96	Compliance Achieved	9/18/01
Styrene	Routine Major	2001-03334	7/1/96	Compliance Achieved	9/18/01
Benzo (a) Pyrene	Routine Major	2001-03335	7/1/96	Compliance Achieved	9/18/01
Pentachlorophenol	Routine Major	2001-03336	7/1/96	Compliance Achieved	9/18/01
Dalapon	Routine Major	2001-03337	7/1/96	Compliance Achieved	9/18/01
Di(2-Ethylhexyl) Adipate	Routine Major	2001-03338	7/1/96	Compliance Achieved	9/18/01
Simazine	Routine Major	2001-03339	7/1/96	Compliance Achieved	9/18/01
Di(2-Ethylhexyl) Phthalate	Routine Major	2001-03340	7/1/96	Compliance Achieved	9/18/01
Picloram	Routine Major	2001-03341	7/1/96	Compliance Achieved	9/18/01
Dinoseb	Routine Major	2001-03342	7/1/96	Compliance Achieved	9/18/01
Atrazine	Routine Major	2001-03343	7/1/96	Compliance Achieved	9/18/01
Alachlor (Lasso)	Routine Major	2001-03344	7/1/96	Compliance Achieved	9/18/01
2,4-D	Routine Major	2001-03345	7/1/96	Compliance Achieved	9/18/01
2,4,5-TP (Silvex)	Routine Major	2001-03346	7/1/96	Compliance Achieved	9/18/01
IA6525202 GLENWOOD GOLF CORPORATION		Population:	27	County: MILLS	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01871	1/1/01	Compliance Achieved	6/26/01
Coliform, Fecal	MCL (TCR), Acute	2001-01892	1/1/01	Compliance Achieved	6/26/01
Coliform, Total (TCR)	Routine Major	2001-02252	4/1/01	Compliance Achieved	6/26/01
Nitrate (as N)	Routine Major	2001-02462	4/1/01	Compliance Achieved	6/26/01
IA0790678 GOLDEN ACRES RETIREMENT VILLAGE		Population:	49	County: BLACK HAWK	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03506	9/1/01	NOV issued	9/14/01
Coliform, Total (TCR)	Repeat Major	2002-00067	10/1/01	Compliance Achieved	12/3/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA4135093 GOODELL WATER SUPPLY		Population:	174	County: HANCOCK	
Xylenes	Routine Major	2002-00170	10/1/01	Compliance Achieved	1/29/02
Ethylbenzene	Routine Major	2002-00178	10/1/01	Compliance Achieved	1/29/02
IA5252802 GRACE COMMUNITY CHURCH		Population:	151	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-01638	1/1/01	Compliance Achieved	2/6/01
Coliform, Total (TCR)	Routine Major	2001-02265	4/1/01	Compliance Achieved	5/24/01
Coliform, Total (TCR)	Routine Major	2001-03227	7/1/01	Compliance Achieved	8/15/01
Copper	Routine Tap	2002-00464	6/1/99	Compliance Achieved	4/15/02
Nitrate (as N)	Routine Major	2002-00655	10/1/00	Compliance Achieved	4/15/02
Lead	Routine Tap	2002-03720	6/1/99	Compliance Achieved	4/15/02
IA2341099 GRAND MOUND WATER SUPPLY		Population:	676	County: CLINTON	
Coliform, Total (TCR)	Routine Major	2002-03673	10/1/01	Compliance Achieved	11/20/01
IA2100625 GRAND VIEW RESORT		Population:	35	County: PALO ALTO	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02204	4/1/01	NOV issued	5/14/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02484	5/1/01	NOV issued	5/25/01
IA1211821 GRANDMA'S SNACK SHOP		Population:	46	County: BUTLER	
Coliform, Total (TCR)	Routine Major	2001-01632	1/1/01	Compliance Achieved	2/26/01
Coliform, Total (TCR)	Routine Major	2002-00106	12/1/01	Compliance Achieved	1/29/02
IA1716302 GRANDVIEW CIRCLE WATER ASSOCIATION		Population:	48	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2002-00778	10/1/01	Compliance Achieved	2/11/02
Nitrate (as N)	Routine Major	2002-00780	1/1/01	Compliance Achieved	2/11/02
Nitrite (as N)	Routine Major	2002-00782	1/1/01	Compliance Achieved	2/11/02
IA1253851 GREENE LANES		Population:	41	County: FLOYD	
Nitrate (as N)	Routine Major	2002-00721	10/1/00	Compliance Achieved	11/1/01
IA1253006 GREENE MUNI WATER SUPPLY		Population:	1099	County: BUTLER	
Nitrate (as N)	Routine Major	2001-02905	7/1/00	Compliance Achieved	7/31/01
IA7709395 GREENWOOD ACRES WATER CO.		Population:	240	County: POLK	
Copper	AL, 90th Percentile	2001-02555	1/1/01	Compliance Achieved	9/18/01
Arsenic	Routine Major	2002-00509	10/1/00	Compliance Achieved	10/30/01
IA7736801 GRIMES UNITED METHODIST CHURCH		Population:	207	County: POLK	
Fluoride	Routine Major	2001-02163	1/1/01	Compliance Achieved	5/15/01
IA3833013 GRUNDY CENTER WATER SUPPLY		Population:	2596	County: GRUNDY	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02683	7/1/01	Compliance Achieved	2/5/02
IA2242204 GUTTENBERG GOLF & COUNTRY CLUB		Population:	129	County: CLAYTON	
Nitrate (as N)	Routine Major	2001-02614	5/1/01	Compliance Achieved	7/10/01
IA5327201 HALE TAP		Population:	29	County: JONES	
Nitrate (as N)	Routine Major	2001-02122	4/1/00	Compliance Achieved	1/22/02
Nitrate (as N)	Confirmation/Check Major	2001-02586	4/1/01	Compliance Achieved	1/22/02
Coliform, Total (TCR)	Routine Major	2002-00679	10/1/01	Compliance Achieved	1/22/02
IA2038201 HARD WATER INN		Population:	33	County: CLARKE	
Nitrite (as N)	Routine Major	2002-03849	1/1/01	Compliance Achieved	2/26/02
Nitrate (as N)	Routine Major	2002-03850	1/1/01	Compliance Achieved	2/26/02
IA2915885 HARMONY BIBLE CHURCH		Population:	155	County: HENRY	
Coliform, Total (TCR)	Routine Major	2001-01993	1/1/01	Compliance Achieved	5/7/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5200830 HARPER'S MARINA/JOLLY ROGER/CORALVILLE L	Population:	71	County: JOHNSON		
Coliform, Total (TCR)	Repeat Major	2001-02560	4/1/01	Compliance Achieved	6/13/01
Nitrate (as N)	Routine Major	2001-02938	7/1/00	Compliance Achieved	7/30/01
Nitrate (as N)	Routine Major	2001-02939	7/1/00	Compliance Achieved	7/30/01
Coliform, Total (TCR)	Routine Major	2001-02962	4/1/01	Compliance Achieved	7/30/01
IA0330710 HARPERS CAFE AND MOTEL	Population:	33	County: ALLAMAKEE		
Coliform, Total (TCR)	Routine Major	2002-00065	10/1/01	Compliance Achieved	3/27/02
Nitrate (as N)	Routine Major	2002-00572	10/1/01	Compliance Achieved	3/27/02
IA2817860 HARTWICK POINT WELL	Population:	120	County: DELAWARE		
Nitrate (as N)	MCL, Single	2001-03453	8/1/01	NOV issued	8/22/01
IA6527038 HASTINGS WATER SUPPLY	Population:	214	County: MILLS		
Arsenic	Routine Major	2002-00213	10/1/00	Compliance Achieved	12/5/01
Sodium	Routine Major	2002-03681	10/1/98	Compliance Achieved	12/5/01
IA3346037 HAWKEYE WATER SUPPLY	Population:	489	County: FAYETTE		
Sodium	Routine Major	2001-03043	7/1/98	Compliance Achieved	7/26/01
Arsenic	Routine Major	2001-03044	7/1/00	Compliance Achieved	7/26/01
Arsenic	Routine Major	2001-03045	7/1/00	Compliance Achieved	7/26/01
Sodium	Routine Major	2001-03046	7/1/98	Compliance Achieved	7/26/01
IA3218402 HEARTLAND HILLS GOLF CLUB	Population:	89	County: EMMET		
Nitrate (as N)	Confirmation/Check Major	2001-02249	10/1/00	Compliance Achieved	6/13/01
IA1900901 HERITAGE RESIDENCE	Population:	50	County: CHICKASAW		
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01558	1/1/01	Compliance Achieved	11/29/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01608	2/1/01	Compliance Achieved	11/29/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01877	3/1/01	Compliance Achieved	11/29/01
IA5735045 HIAWATHA WATER DEPT	Population:	6480	County: LINN		
Copper	AL, 90th Percentile	2002-00033	6/1/99	BCA issued	10/10/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA8227301 HICKORY ESTATES		Population:	48	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2002-03722	12/1/01	Compliance Achieved	1/15/02
Dalapon	Routine Major	2002-04250	1/1/97	NOV issued	3/18/02
Di(2-Ethylhexyl) Adipate	Routine Major	2002-04251	1/1/97	NOV issued	3/18/02
Simazine	Routine Major	2002-04252	1/1/97	NOV issued	3/18/02
Di(2-Ethylhexyl) Phthalate	Routine Major	2002-04253	1/1/97	NOV issued	3/18/02
Picloram	Routine Major	2002-04254	1/1/97	NOV issued	3/18/02
Dinoseb	Routine Major	2002-04255	1/1/97	NOV issued	3/18/02
Atrazine	Routine Major	2002-04256	1/1/97	NOV issued	3/18/02
Alachlor (Lasso)	Routine Major	2002-04257	1/1/97	NOV issued	3/18/02
2,4-D	Routine Major	2002-04258	1/1/97	NOV issued	3/18/02
2,4,5-TP (Silvex)	Routine Major	2002-04259	1/1/97	NOV issued	3/18/02
Benzo (a) Pyrene	Routine Major	2002-04260	1/1/97	NOV issued	3/18/02
Pentachlorophenol	Routine Major	2002-04261	1/1/97	NOV issued	3/18/02
Dichloromethane	Routine Major	2002-04262	1/1/97	NOV issued	3/18/02
o-Dichlorobenzene	Routine Major	2002-04263	1/1/97	NOV issued	3/18/02
p-Dichlorobenzene	Routine Major	2002-04264	1/1/97	NOV issued	3/18/02
Vinyl Chloride	Routine Major	2002-04265	1/1/97	NOV issued	3/18/02
1,1-Dichloroethylene	Routine Major	2002-04266	1/1/97	NOV issued	3/18/02
trans-1,2-Dichloroethylene	Routine Major	2002-04267	1/1/97	NOV issued	3/18/02
1,2-Dichloroethane	Routine Major	2002-04268	1/1/97	NOV issued	3/18/02
1,1,1-Trichloroethane	Routine Major	2002-04269	1/1/97	NOV issued	3/18/02
Carbon Tetrachloride	Routine Major	2002-04270	1/1/97	NOV issued	3/18/02
1,2-Dichloropropane	Routine Major	2002-04271	1/1/97	NOV issued	3/18/02
Trichloroethylene	Routine Major	2002-04272	1/1/97	NOV issued	3/18/02
1,1,2-Trichloroethane	Routine Major	2002-04273	1/1/97	NOV issued	3/18/02
Tetrachloroethylene	Routine Major	2002-04274	1/1/97	NOV issued	3/18/02
Monochlorobenzene	Routine Major	2002-04275	1/1/97	NOV issued	3/18/02
Benzene	Routine Major	2002-04276	1/1/97	NOV issued	3/18/02
Toluene	Routine Major	2002-04277	1/1/97	NOV issued	3/18/02
Ethylbenzene	Routine Major	2002-04278	1/1/97	NOV issued	3/18/02
Styrene	Routine Major	2002-04279	1/1/97	NOV issued	3/18/02
1,2,4-Trichlorobenzene	Routine Major	2002-04280	1/1/97	NOV issued	3/18/02
cis-1,2-Dichloroethylene	Routine Major	2002-04281	1/1/97	NOV issued	3/18/02
Xylenes	Routine Major	2002-04282	1/1/97	NOV issued	3/18/02
IA9425401 HIDDEN ACRES CHRISTIAN CENTER		Population:	1409	County: WEBSTER	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01307	1/1/01	Compliance Achieved	7/6/01
IA5282308 HIDDEN ACRES SUBDIVISION		Population:	100	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02202	4/1/01	Compliance Achieved	1/27/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02475	5/1/01	Compliance Achieved	1/27/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02528	6/1/01	Compliance Achieved	1/27/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03099	7/1/01	Compliance Achieved	1/27/02
IA5700641 HIDE-A-WAY MANOR		Population:	82	County: LINN	
Coliform, Total (TCR)	Routine Major	2002-03730	9/1/01	Compliance Achieved	10/1/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA9260528 HIGHLAND HIGH SCHOOL		Population:	305	County: WASHINGTON	
Coliform, Total (TCR)	Routine Major	2001-03238	7/1/01	Compliance Achieved	8/30/01
IA4800901 HILLSIDE ESTATE, INC.		Population:	62	County: IOWA	
Lead	AL, 90th Percentile	2002-04113	7/1/01	BCA issued	2/13/02
IA5200688 HILLTOP MOBILE HOME PARK		Population:	253	County: JOHNSON	
Nitrate (as N)	Routine Major	2002-00685	10/1/00	Compliance Achieved	11/30/01
Nitrate (as N)	Routine Major	2002-00687	10/1/00	Compliance Achieved	11/30/01
IA7048308 HILLTOP SOUTH HOA		Population:	55	County: MUSCATINE	
Arsenic	Routine Major	2001-03083	7/1/00	Compliance Achieved	7/11/01
IA1800601 HILLTOP VILLAGE MHP, INC.		Population:	94	County: CHEROKEE	
Coliform, Total (TCR)	Routine Major	2002-00180	12/1/01	Compliance Achieved	1/28/02
IA7528051 HINTON WATER SUPPLY		Population:	808	County: PLYMOUTH	
Coliform, Total (TCR)	Routine Major	2002-03694	10/1/01	Compliance Achieved	12/11/01
IA1689201 HOME OIL STATIONS INC		Population:	200	County: CEDAR	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02230	4/1/01	Compliance Achieved	3/28/02
Coliform, Fecal	MCL (TCR), Acute	2001-02480	5/1/01	Compliance Achieved	3/28/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02522	6/1/01	Compliance Achieved	3/28/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02680	7/1/01	Compliance Achieved	3/28/02
Coliform, Total (TCR)	Repeat Major	2001-02709	6/1/01	Compliance Achieved	7/5/01
Coliform, Total (TCR)	Repeat Major	2001-02710	6/1/01	Compliance Achieved	7/5/01
Coliform, Total (TCR)	Repeat Major	2001-02711	6/1/01	Compliance Achieved	7/5/01
Coliform, Total (TCR)	Repeat Major	2001-02712	6/1/01	Compliance Achieved	7/5/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03132	8/1/01	Compliance Achieved	3/28/02
IA5751601 HOMETOWN MARION VILLAGE		Population:	1220	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-01640	1/1/01	Compliance Achieved	3/7/01
IA7822443 HONEY CREEK CAMPGROUNDS		Population:	51	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2001-01846	2/1/01	Compliance Achieved	3/9/01
Coliform, Total (TCR)	Routine Major	2001-02605	5/1/01	Compliance Achieved	7/16/01
Coliform, Total (TCR)	Routine Major	2001-02846	6/1/01	Compliance Achieved	7/16/01
Coliform, Total (TCR)	Routine Major	2001-03610	8/1/01	Compliance Achieved	10/31/01
Coliform, Total (TCR)	Routine Major	2002-00168	11/1/01	AO w/ Penalty	2/25/02
Nitrate (as N)	Confirmation/Check Major	2002-00226	10/1/01	AO w/ Penalty	2/25/02
Coliform, Total (TCR)	Routine Major	2002-00467	12/1/01	AO w/ Penalty	2/25/02
Nitrate (as N)	Routine Major	2002-00709	10/1/00	Compliance Achieved	10/31/01
Coliform, Total (TCR)	Routine Major	2002-03759	9/1/01	Compliance Achieved	10/31/01
IA9738057 HORNICK WATER SUPPLY		Population:	253	County: WOODBURY	
Coliform, Total (TCR)	Routine Major	2001-02872	6/1/01	Compliance Achieved	8/3/01
Coliform, Total (TCR)	Routine Major	2001-03239	7/1/01	Compliance Achieved	8/3/01
IA1970711 HOWARD JOHNSON EXPRESS (NEW HAMPTON)		Population:	50	County: CHICKASAW	
Nitrate (as N)	Routine Major	2002-00544	1/1/01	Compliance Achieved	1/22/02
Nitrate (as N)	Routine Major	2002-03745	1/1/01	Compliance Achieved	1/22/02
Coliform, Total (TCR)	Routine Major	2002-03811	10/1/01	Compliance Achieved	1/22/02
IA4641884 HUMBOLDT COUNTRY CLUB		Population:	82	County: HUMBOLDT	
Nitrate (as N)	Routine Major	2001-02909	7/1/00	Compliance Achieved	6/19/02
Nitrate (as N)	Confirmation/Check Major	2001-03571	7/1/01	Compliance Achieved	6/19/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA2561101 IBP, INC. (PERRY PLANT)		Population:	1100	County: DALLAS	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02485	5/1/01	Compliance Achieved	11/14/01
IA0965501 IMMANUEL LUTHERAN CHURCH & SCHOOL		Population:	105	County: BREMER	
Styrene	Routine Major	2002-00122	10/1/01	Compliance Achieved	2/4/02
IA1000600 INDEPENDENCE MOBILE HOME PARK		Population:	60	County: BUCHANAN	
Copper	Routine Tap	2002-00107	6/1/99	NOV issued	10/22/01
Lead	Routine Tap	2002-00114	6/1/99	NOV issued	10/22/01
IA5200847 IOWA CITY REHABILITATION & HEALTH CARE C		Population:	128	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-02263	4/1/01	Compliance Achieved	6/11/01
IA5225079 IOWA CITY WATER DEPARTMENT		Population:	58510	County: JOHNSON	
Nitrate (as N)	Routine Major	2001-02895	6/1/01	Compliance Achieved	7/2/01
IA1037101 IOWA HAM CANNING INC		Population:	280	County: BUCHANAN	
Coliform, Total (TCR)	Routine Major	2001-01987	1/1/01	Compliance Achieved	5/8/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02223	4/1/01	Compliance Achieved	10/2/01
Selenium	Routine Major	2001-03418	7/1/92	Compliance Achieved	8/22/01
Arsenic	Routine Major	2001-03419	7/1/92	Compliance Achieved	8/22/01
Barium	Routine Major	2001-03420	7/1/92	Compliance Achieved	8/22/01
Cadmium	Routine Major	2001-03421	7/1/92	Compliance Achieved	8/22/01
Chromium	Routine Major	2001-03422	7/1/92	Compliance Achieved	8/22/01
Fluoride	Routine Major	2001-03423	7/1/92	Compliance Achieved	8/22/01
Mercury	Routine Major	2001-03424	7/1/92	Compliance Achieved	8/22/01
Sodium	Routine Major	2001-03425	7/1/92	Compliance Achieved	8/22/01
Antimony	Routine Major	2001-03426	7/1/92	Compliance Achieved	8/22/01
Thallium	Routine Major	2001-03427	7/1/92	Compliance Achieved	8/22/01
IA4213103 IOWA LIMESTONE CO		Population:	46	County: HARDIN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01310	1/1/01	Compliance Achieved	10/1/01
IA4260213 IOWA SKATE U		Population:	80	County: HARDIN	
Coliform, Total (TCR)	Routine Major	2001-02812	4/1/01	NOV issued	7/25/01
Nitrite (as N)	Routine Major	2001-02913	7/1/00	NOV issued	7/25/01
Nitrate (as N)	Routine Major	2001-02914	7/1/00	NOV issued	7/25/01
Nitrite (as N)	Confirmation/Check Major	2001-03572	7/1/01	NOV issued	9/25/01
Nitrate (as N)	Confirmation/Check Major	2001-03573	7/1/01	NOV issued	9/25/01
Coliform, Total (TCR)	Routine Major	2002-00396	7/1/01	Compliance Achieved	3/25/02
IA8447098 IRETON WATER SUPPLY		Population:	585	County: SIOUX	
Gross Alpha, excluding Rn & U	Routine Major	2001-03236	7/1/97	Compliance Achieved	9/11/01
IA5225803 IZAAK WALTON LEAGUE-IOWA CITY		Population:	34	County: JOHNSON	
Nitrite (as N)	Confirmation/Check Major	2001-02247	1/1/00	Compliance Achieved	10/25/00
Coliform, Total (TCR)	Routine Major	2002-00145	11/1/01	Compliance Achieved	4/14/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03956	10/1/01	NOV issued	11/16/01
IA2234441 J WOOD PARK		Population:	25	County: CLAYTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03162	7/1/01	Compliance Achieved	4/1/02
IA3126713 JAEGER PLUMBING & PUMP, INC.		Population:	50	County: DUBUQUE	
Nitrate (as N)	Routine Major	2002-00610	1/1/01	Compliance Achieved	1/8/02
IA5131705 JEFFERSON COUNTY RURAL WATER		Population:	660	County: JEFFERSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02657	6/1/01	Compliance Achieved	7/11/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1951201 JERICO JO'S		Population:	28	County: CHICKASAW	
Coliform, Total (TCR)	Routine Major	2001-01786	1/1/01	Compliance Achieved	3/28/01
Nitrate (as N)	Routine Major	2001-02107	1/1/01	Compliance Achieved	4/10/01
Coliform, Total (TCR)	Routine Major	2001-02955	6/1/01	Compliance Achieved	8/8/01
Coliform, Total (TCR)	Routine Major	2002-00656	12/1/01	Compliance Achieved	1/15/02
Coliform, Total (TCR)	Routine Major	2002-00736	9/1/01	Compliance Achieved	10/3/01
IA5786890 JEWEL'S FOOD & SPIRITS, INC.		Population:	29	County: LINN	
Nitrate (as N)	MCL, Single	2001-02197	4/1/01	AO w/ Penalty	8/18/99
Nitrate (as N)	MCL, Single	2001-02237	5/1/01	AO w/ Penalty	8/18/99
Nitrate (as N)	MCL, Single	2001-02548	6/1/01	AO w/ Penalty	8/18/99
Nitrate (as N)	MCL, Single	2002-04011	11/1/01	AO w/ Penalty	8/18/99
IA5718201 JIM ARENSON CHEVROLET		Population:	75	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02830	4/1/01	Compliance Achieved	9/19/01
Arsenic	Routine Major	2001-03036	4/1/01	Compliance Achieved	9/19/01
IA3353201 K MART		Population:	875	County: FAYETTE	
Copper	Routine Tap	2001-02802	1/1/01	Compliance Achieved	7/27/01
Lead	Routine Tap	2001-02803	1/1/01	Compliance Achieved	7/27/01
Arsenic	Routine Major	2001-03065	7/1/00	Compliance Achieved	7/27/01
IA4979796 KALMES STORE		Population:	30	County: JACKSON	
Coliform, Total (TCR)	Routine Major	2001-02816	4/1/01	Compliance Achieved	7/25/01
IA4150014 KANAWHA WATER SUPPLY		Population:	739	County: HANCOCK	
Arsenic	Routine Major	2002-00446	10/1/00	Compliance Achieved	10/29/01
Sodium	Routine Major	2002-00449	10/1/98	Compliance Achieved	10/29/01
IA5038017 KELLOGG WATER SUPPLY		Population:	606	County: JASPER	
Nitrate (as N)	Routine Major	2002-00583	10/1/01	Compliance Achieved	1/7/02
IA5640019 KEOKUK MUNICIPAL WATER WORKS		Population:	11427	County: LEE	
Lead	AL, 90th Percentile	2001-03149	6/30/01	Compliance Achieved	5/21/02
IA5440028 KEOTA WATER DEPT		Population:	1025	County: KEOKUK	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03443	8/1/01	Compliance Achieved	2/11/02
IA3102501 KINDERLAND INC PRESCHOOL AND DAYCARE		Population:	75	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-01633	1/1/01	Compliance Achieved	3/9/01
IA7537032 KINGSLEY WATER SUPPLY		Population:	1245	County: PLYMOUTH	
Sodium	Routine Major	2002-03698	10/1/98	Compliance Achieved	10/30/01
Arsenic	Routine Major	2002-03699	10/1/00	Compliance Achieved	10/30/01
IA5285204 KIRACOFE STATION		Population:	42	County: JOHNSON	
Nitrate (as N)	Routine Major	2001-02897	7/1/00	Compliance Achieved	8/7/01
IA4155201 KLEMME RECREATION CLUB		Population:	50	County: HANCOCK	
Nitrate (as N)	Routine Major	2001-02947	7/1/00	Compliance Achieved	8/7/01
IA1600624 KOCH'S MEADOW LAKE CAMPGROUNDS		Population:	31	County: CEDAR	
Coliform, Total (TCR)	Routine Major	2001-03526	8/1/01	Compliance Achieved	8/7/01
IA7849701 KOPPER KETTLE (MINDEN)		Population:	265	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2002-00470	10/1/01	Compliance Achieved	3/13/02
IA0375301 KOUNTRY SCHOOL LLC		Population:	76	County: CLAYTON	
Nitrate (as N)	Routine Major	2001-02022	4/1/00	Compliance Achieved	12/27/01
Nitrate (as N)	Confirmation/Check Major	2001-02569	4/1/01	Compliance Achieved	12/27/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA4848601 KRAUS'S SERENE WOODEN ACRES		Population:	51	County: IOWA	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03160	8/1/01	Compliance Achieved	4/5/02
Arsenic	Routine Major	2002-00308	10/1/00	Compliance Achieved	12/5/01
Sodium	Routine Major	2002-00312	10/1/98	Compliance Achieved	12/5/01
Arsenic	Routine Major	2002-00319	10/1/00	Compliance Achieved	12/5/01
Sodium	Routine Major	2002-00328	10/1/98	Compliance Achieved	12/5/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03949	10/1/01	Compliance Achieved	4/5/02
IA4884784 KUM & GO STORE #443		Population:	162	County: IOWA	
Coliform, Total (TCR)	Routine Major	2001-02002	1/1/01	Compliance Achieved	4/9/01
Coliform, Total (TCR)	Routine Major	2002-03712	7/1/01	Compliance Achieved	12/6/01
IA7853100 KUM & GO STORE #23		Population:	111	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2001-02847	4/1/01	Compliance Achieved	12/5/01
Nitrate (as N)	Routine Major	2002-00647	10/1/00	Compliance Achieved	12/10/01
Coliform, Total (TCR)	Routine Major	2002-03763	7/1/01	Compliance Achieved	12/10/01
IA5009204 KUM AND GO STORE (COLFAX)		Population:	302	County: JASPER	
Coliform, Total (TCR)	Routine Major	2001-02139	3/1/01	Compliance Achieved	4/27/01
Xylenes	Routine Major	2001-03088	4/1/01	Compliance Achieved	8/10/01
Toluene	Routine Major	2001-03089	4/1/01	Compliance Achieved	8/10/01
Ethylbenzene	Routine Major	2001-03090	4/1/01	Compliance Achieved	8/10/01
Benzene	Routine Major	2001-03091	4/1/01	Compliance Achieved	8/10/01
Coliform, Total (TCR)	Routine Major	2002-03882	10/1/01	Compliance Achieved	11/28/01
IA1957201 L T TAP		Population:	25	County: CHICKASAW	
Nitrate (as N)	Routine Major	2001-01861	2/1/01	Compliance Achieved	3/5/01
IA0743057 LA PORTE CITY UTILITIES		Population:	2321	County: BLACK HAWK	
Arsenic	Routine Major	2002-00292	1/1/01	Compliance Achieved	1/3/02
Sodium	Routine Major	2002-00300	1/1/99	Compliance Achieved	1/3/02
Arsenic	Routine Major	2002-00310	1/1/01	Compliance Achieved	1/3/02
Sodium	Routine Major	2002-00322	1/1/99	Compliance Achieved	1/3/02
IA0743888 LA PORTE GOLF COURSE		Population:	40	County: BLACK HAWK	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03109	7/1/01	Compliance Achieved	12/12/01
Coliform, Fecal	MCL (TCR), Acute	2001-03116	7/1/01	Compliance Achieved	12/12/01
Coliform, Total (TCR)	Routine Major	2001-03525	8/1/01	Compliance Achieved	10/16/01
IA4840042 LADORA WATER SUPPLY		Population:	287	County: IOWA	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02190	4/1/01	Compliance Achieved	11/28/01
Coliform, Fecal	MCL (TCR), Acute	2001-02201	4/1/01	Compliance Achieved	11/28/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02214	5/1/01	Compliance Achieved	11/28/01
IA4515958 LAKE HENDRICKS PARK (WEST WELL)		Population:	29	County: HOWARD	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02494	4/1/01	Compliance Achieved	10/9/01
IA5282305 LAKE MACBRIDE HEIGHTS HOA		Population:	75	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02510	5/1/01	Compliance Achieved	12/19/01
IA5200912 LAKE MACBRIDE STATE PARK-NORTH		Population:	25	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02687	7/1/01	Compliance Achieved	1/7/02
IA3353202 LAKE SHORE RESORTS CLUB INC		Population:	65	County: FAYETTE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02477	4/1/01	Compliance Achieved	7/30/02
IA8127048 LAKE VIEW WATER SUPPLY		Population:	1278	County: SAC	
Nitrate (as N)	MCL, Single	2001-01896	4/1/01	Compliance Achieved	10/9/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA8200605 LAKESIDE MANOR PARK		Population:	89	County: SCOTT	
Nitrate (as N)	Routine Major	2002-03807	10/1/00	Compliance Achieved	12/6/01
IA3300769 LAKEVIEW GOLF COURSE, INC.		Population:	41	County: FAYETTE	
Nitrate (as N)	Routine Major	2001-03617	8/1/01	Compliance Achieved	9/26/01
IA6050059 LARCHWOOD WATER SUPPLY		Population:	788	County: LYON	
Coliform, Total (TCR)	Routine Major	2002-00535	9/1/01	Compliance Achieved	11/5/01
IA3554061 LATIMER WATER SUPPLY		Population:	535	County: FRANKLIN	
Sodium	Routine Major	2002-03708	10/1/98	Compliance Achieved	10/29/01
IA7614063 LAURENS WATER SUPPLY		Population:	1476	County: POCAHONTAS	
Lead	AL, 90th Percentile	2002-04203	6/1/01	NOV issued	1/14/02
IA1750196 LEHIGH CEMENT COMPANY		Population:	155	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2002-00152	10/1/01	Compliance Achieved	1/29/01
Coliform, Total (TCR)	Routine Major	2002-00190	7/1/01	AO w/ Penalty	7/12/02
Nitrate (as N)	Routine Major	2002-00613	1/1/01	Compliance Achieved	1/29/01
IA9453071 LEHIGH WATER SUPPLY		Population:	497	County: WEBSTER	
Coliform, Total (TCR)	Repeat Major	2002-00159	12/1/01	Compliance Achieved	5/1/02
IA6739949 LEWIS AND CLARK STATE PARK		Population:	67	County: MONONA	
Nitrate (as N)	Routine Major	2001-02944	7/1/00	Compliance Achieved	8/30/01
IA1453080 LIDDERDALE WATER SUPPLY		Population:	186	County: CARROLL	
Consumer Confidence Reports	Consumer Confidence Report	2002-04186	7/1/01	NOV issued	8/27/01
IA9200601 LINN HOLLOW MHP		Population:	100	County: WASHINGTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00017	10/1/01	NOV issued	10/15/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03984	11/1/01	NOV issued	11/19/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04020	12/1/01	NOV issued	12/10/01
IA1037735 LITTLETON DINER AND LOUNGE		Population:	75	County: BUCHANAN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03634	7/1/01	Compliance Achieved	1/10/02
Nitrate (as N)	Routine Major	2002-00706	10/1/00	Compliance Achieved	11/26/01
IA4910861 LOMBARDI'S		Population:	54	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2002-00444	7/1/01	Compliance Achieved	11/7/01
IA5240095 LONE TREE MUNI WATER SYSTEM		Population:	1151	County: JOHNSON	
Copper	AL, 90th Percentile	2001-03475	1/1/01	BCA issued	2/19/02
Copper	Routine Tap	2002-00404	7/1/01	BCA issued	2/19/02
Lead	Routine Tap	2002-03705	7/1/01	BCA issued	2/19/02
IA3900300 LONG BRANCH MAINTENANCE CORP.		Population:	350	County: GUTHRIE	
Fluoride	MCL, Average	2001-01888	1/1/01	Compliance Achieved	1/2/02
Fluoride	MCL, Average	2001-02678	4/1/01	Compliance Achieved	1/2/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03515	9/1/01	Compliance Achieved	3/31/02
IA4515202 LONG BRANCH SALOON		Population:	27	County: HOWARD	
Coliform, Total (TCR)	Routine Major	2001-02951	4/1/01	Compliance Achieved	7/16/01
Nitrate (as N)	Routine Major	2001-02952	4/1/01	Compliance Achieved	7/16/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03638	7/1/01	NOV issued	9/28/01
Coliform, Fecal	MCL (TCR), Acute	2001-03662	7/1/01	NOV issued	9/28/01
IA4955725 LONG BRANCH TAVERN		Population:	35	County: JACKSON	
Nitrate (as N)	Routine Major	2001-02908	7/1/00	Compliance Achieved	1/22/02
Nitrate (as N)	Confirmation/Check Major	2001-03570	7/1/01	Compliance Achieved	1/22/02
Coliform, Total (TCR)	Routine Major	2002-00379	10/1/01	Compliance Achieved	2/20/02
Coliform, Total (TCR)	Routine Major	2002-00448	7/1/01	Compliance Achieved	2/20/02

September 30, 2002

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA2346047 LOST NATION WATER SUPPLY		Population:	497	County: CLINTON	
Bentazon (Basagran)	Routine Major	2001-03035	3/31/01	Compliance Achieved	9/11/01
IA7000689 LOUISA COURTS MHP & SALES		Population:	130	County: MUSCATINE	
Nitrate (as N)	Routine Major	2002-00663	7/1/01	Compliance Achieved	12/11/01
IA4641401 LOWER SHELDON WELL		Population:	25	County: HUMBOLDT	
Coliform, Total (TCR)	Routine Major	2001-02775	6/1/01	NOV issued	7/26/01
Nitrate (as N)	Confirmation/Check Major	2001-02776	10/1/00	NOV issued	7/26/01
Nitrite (as N)	Confirmation/Check Major	2001-02777	10/1/00	NOV issued	7/26/01
Nitrate (as N)	Confirmation/Check Major	2001-03591	10/1/00	NOV issued	9/25/01
Coliform, Total (TCR)	Routine Major	2002-00793	7/1/01	NOV issued	10/25/01
IA5715209 LOYAL ORDER OF THE MOOSE LODGE/C RAPIDS		Population:	25	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02126	1/1/01	Compliance Achieved	4/19/01
IA6000744 LYON-SIOUX RWS-BOYDEN		Population:	487	County: LYON	
Nitrate (as N)	MCL, Single	2001-01818	3/1/01	Compliance Achieved	9/19/01
IA2258201 MAGGIE'S DINER		Population:	41	County: CLAYTON	
Nitrate (as N)	Routine Major	2001-01860	2/1/01	Compliance Achieved	3/12/01
Nitrate (as N)	Routine Major	2001-03624	8/1/01	Compliance Achieved	9/4/01
IA6545020 MALVERN WATER SUPPLY		Population:	1256	County: MILLS	
Copper	AL, 90th Percentile	2002-04072	7/1/01	NOV issued	1/15/02
IA2839202 MANCHESTER LIVESTOCK AUCTION/COUNTRY		Population:	123	County: DELAWARE	
Nitrate (as N)	MCL, Single	2001-01565	4/1/00	Compliance Achieved	6/6/01
IA0975895 MAPLE HILLS COUNTRY CLUB		Population:	55	County: BREMER	
Coliform, Total (TCR)	Routine Major	2001-01840	2/1/01	Compliance Achieved	3/26/01
Coliform, Total (TCR)	Routine Major	2002-00103	10/1/01	Compliance Achieved	12/19/01
IA4950923 MAQUOKETA CAVES STATE PARK #3		Population:	40	County: JACKSON	
Coliform, Total (TCR)	Routine Major	2001-02261	4/1/01	Compliance Achieved	6/6/01
Coliform, Total (TCR)	Routine Major	2001-02455	4/1/01	Compliance Achieved	6/6/01
IA4843033 MARENGO WATER SUPPLY		Population:	2535	County: IOWA	
Arsenic	Routine Major	2001-03052	7/1/00	Compliance Achieved	8/2/01
IA7820801 MARTIN ORCHARDS		Population:	310	County: POTTAWATTAMIE	
Nitrate (as N)	Routine Major	2002-00726	10/1/00	NOV issued	11/15/01
IA5720914 MATSELL BRIDGE A		Population:	150	County: LINN	
Coliform, Total (TCR)	Routine Major	2002-00301	11/1/01	Compliance Achieved	12/6/01
IA9630779 MATTER'S BALL ROOM		Population:	64	County: WINNESHIEK	
Coliform, Total (TCR)	Routine Major	2001-02869	4/1/01	Compliance Achieved	8/20/01
Nitrate (as N)	Routine Major	2002-00612	10/1/01	NOV issued	1/23/02
Nitrate (as N)	Routine Major	2002-00701	7/1/01	Compliance Achieved	8/20/01
IA8557058 MAXWELL WATER DEPARTMENT		Population:	807	County: STORY	
Coliform, Total (TCR)	Routine Major	2001-02862	6/1/01	Compliance Achieved	7/10/01
IA3350059 MAYNARD WATER SUPPLY		Population:	500	County: FAYETTE	
Arsenic	Routine Major	2001-03074	7/1/00	Compliance Achieved	7/30/01
Sodium	Routine Major	2001-03075	7/1/98	Compliance Achieved	7/30/01
Sodium	Routine Major	2001-03076	7/1/98	Compliance Achieved	7/30/01
Arsenic	Routine Major	2001-03077	7/1/00	Compliance Achieved	7/30/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA8255060 MAYSVILLE MUNICIPAL WATER DEPT		Population:	163	County: SCOTT	
Consumer Confidence Reports	Consumer Confidence Report	2002-04187	7/1/01	Compliance Achieved	5/21/02
Copper	Routine Tap	2002-04193	6/1/99	Compliance Achieved	7/8/02
Lead	Routine Tap	2002-04194	6/1/99	Compliance Achieved	7/8/02
IA4453202 MCWHIRTER CHEVROLET		Population:	30	County: HENRY	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02675	7/1/01	Compliance Achieved	4/3/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00024	10/1/01	BCA issued	12/14/01
Nitrate (as N)	Routine Major	2002-00788	10/1/00	Compliance Achieved	12/20/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03981	11/1/01	BCA issued	12/14/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5751301 MEADOW KNOLLS ADDITION		Population:	59	County: LINN	
Benzene	Routine Major	2001-02315	4/1/96	Compliance Achieved	4/16/01
Carbon Tetrachloride	Routine Major	2001-02316	4/1/96	Compliance Achieved	4/16/01
o-Dichlorobenzene	Routine Major	2001-02317	4/1/96	Compliance Achieved	4/16/01
p-Dichlorobenzene	Routine Major	2001-02318	4/1/96	Compliance Achieved	4/16/01
1,2-Dichloroethane	Routine Major	2001-02319	4/1/96	Compliance Achieved	4/16/01
cis-1,2-Dichloroethylene	Routine Major	2001-02320	4/1/96	Compliance Achieved	4/16/01
1,1-Dichloroethylene	Routine Major	2001-02321	4/1/96	Compliance Achieved	4/16/01
trans-1,2-Dichloroethylene	Routine Major	2001-02322	4/1/96	Compliance Achieved	4/16/01
Dichloromethane	Routine Major	2001-02323	4/1/96	Compliance Achieved	4/16/01
1,2-Dichloropropane	Routine Major	2001-02324	4/1/96	Compliance Achieved	4/16/01
Ethylbenzene	Routine Major	2001-02325	4/1/96	Compliance Achieved	4/16/01
Monochlorobenzene	Routine Major	2001-02326	4/1/96	Compliance Achieved	4/16/01
Styrene	Routine Major	2001-02327	4/1/96	Compliance Achieved	4/16/01
Tetrachloroethylene	Routine Major	2001-02328	4/1/96	Compliance Achieved	4/16/01
Toluene	Routine Major	2001-02329	4/1/96	Compliance Achieved	4/16/01
1,2,4-Trichlorobenzene	Routine Major	2001-02330	4/1/96	Compliance Achieved	4/16/01
1,1,1-Trichloroethane	Routine Major	2001-02331	4/1/96	Compliance Achieved	4/16/01
1,1,2-Trichloroethane	Routine Major	2001-02332	4/1/96	Compliance Achieved	4/16/01
Trichloroethylene	Routine Major	2001-02333	4/1/96	Compliance Achieved	4/16/01
Vinyl Chloride	Routine Major	2001-02334	4/1/96	Compliance Achieved	4/16/01
Xylenes	Routine Major	2001-02335	4/1/96	Compliance Achieved	4/16/01
Alachlor (Lasso)	Routine Major	2001-02336	4/1/96	Compliance Achieved	4/16/01
Atrazine	Routine Major	2001-02337	4/1/96	Compliance Achieved	4/16/01
Benzo (a) Pyrene	Routine Major	2001-02338	4/1/96	Compliance Achieved	4/16/01
2,4-D	Routine Major	2001-02339	4/1/96	Compliance Achieved	4/16/01
Dalapon	Routine Major	2001-02340	4/1/96	Compliance Achieved	4/16/01
Di(2-Ethylhexyl) Adipate	Routine Major	2001-02341	4/1/96	Compliance Achieved	4/16/01
Di(2-Ethylhexyl) Phthalate	Routine Major	2001-02342	4/1/96	Compliance Achieved	4/16/01
Dinoseb	Routine Major	2001-02343	4/1/96	Compliance Achieved	4/16/01
Pentachlorophenol	Routine Major	2001-02344	4/1/96	Compliance Achieved	4/16/01
Picloram	Routine Major	2001-02345	4/1/96	Compliance Achieved	4/16/01
Simazine	Routine Major	2001-02346	4/1/96	Compliance Achieved	4/16/01
2,4,5-TP (Silvex)	Routine Major	2001-02347	4/1/96	Compliance Achieved	4/16/01
Coliform, Total (TCR)	Routine Major	2002-00297	10/1/01	Compliance Achieved	11/27/01
Nitrate (as N)	Routine Major	2002-03819	10/1/00	Compliance Achieved	11/27/01
IA3353718 MEADOW MIST MOTEL		Population:	25	County: FAYETTE	
Coliform, Total (TCR)	Routine Major	2001-01997	1/1/01	Compliance Achieved	6/7/01
Nitrate (as N)	Routine Major	2001-02066	4/1/00	Compliance Achieved	6/7/01
Nitrate (as N)	Confirmation/Check Major	2001-02577	4/1/01	Compliance Achieved	6/7/01
Coliform, Total (TCR)	Routine Major	2002-00285	10/1/01	Compliance Achieved	6/28/02
Coliform, Total (TCR)	Routine Major	2002-00378	7/1/01	Compliance Achieved	6/28/02
IA6471301 MELBOURNE VILLA MOBILE HOME PARK		Population:	25	County: MARSHALL	
Coliform, Total (TCR)	Routine Major	2002-03690	11/1/01	Compliance Achieved	12/26/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA4530201 MELVER WATER SYSTEM		Population:	29	County: HOWARD	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02658	4/1/01	NOV issued	7/9/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04028	10/1/01	NOV issued	12/21/01
IA5252202 MID RIVER MARINA		Population:	27	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-02980	4/1/01	Compliance Achieved	10/31/01
Nitrate (as N)	Routine Major	2002-03822	1/1/01	Compliance Achieved	2/25/02
Coliform, Total (TCR)	Routine Major	2002-03863	7/1/01	Compliance Achieved	10/31/01
IA3100740 MID-MART, INC.		Population:	51	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-01994	1/1/01	Compliance Achieved	6/27/01
Nitrate (as N)	Routine Major	2002-00664	1/1/01	Compliance Achieved	2/27/02
IA3198799 MIDWAY MARKET		Population:	50	County: JACKSON	
Nitrate (as N)	Routine Major	2001-02082	4/1/00	Compliance Achieved	12/11/01
Nitrate (as N)	Confirmation/Check Major	2001-02580	4/1/01	Compliance Achieved	12/11/01
Coliform, Total (TCR)	Routine Major	2001-02596	5/1/01	Compliance Achieved	12/11/01
Coliform, Total (TCR)	Routine Major	2001-03602	8/1/01	Compliance Achieved	9/21/01
IA5784302 MIDWAY WATER AND LIGHTING		Population:	72	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-01641	1/1/01	Compliance Achieved	2/26/01
IA1147801 MIDWEST CHRISTIAN SERVICES		Population:	32	County: BUENA VISTA	
Coliform, Total (TCR)	Routine Major	2001-02615	5/1/01	Compliance Achieved	6/28/01
Coliform, Total (TCR)	Routine Major	2002-00809	10/1/01	Compliance Achieved	11/7/01
IA7528801 MIKE'S SALOON		Population:	240	County: PLYMOUTH	
Nitrate (as N)	Routine Major	2001-02056	4/1/00	Compliance Achieved	5/24/01
IA6600901 MITCHELL COUNTY CARE FACILITY		Population:	27	County: MITCHELL	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02210	4/1/01	Compliance Achieved	2/4/02
Coliform, Fecal	MCL (TCR), Acute	2001-02227	4/1/01	Compliance Achieved	2/4/02
IA6642773 MITCHELL TOWN PUMP		Population:	102	County: MITCHELL	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02235	5/1/01	NOV issued	5/21/01
Coliform, Fecal	MCL (TCR), Acute	2001-02476	5/1/01	AO w/ Penalty	4/30/02
Coliform, Total (TCR)	Routine Major	2002-00130	12/1/01	NOV issued	1/22/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03994	11/1/01	AO w/ Penalty	4/30/02
Coliform, Total (TCR)	Routine Major	2002-04055	12/1/01	Compliance Achieved	5/8/02
IA2264095 MONONA MUNICIPAL WATER DEPT		Population:	1550	County: CLAYTON	
Arsenic	Routine Major	2002-00389	10/1/00	Compliance Achieved	10/31/01
Sodium	Routine Major	2002-00393	10/1/98	Compliance Achieved	10/31/01
Sodium	Routine Major	2002-03703	10/1/98	Compliance Achieved	10/31/01
Arsenic	Routine Major	2002-03704	10/1/00	Compliance Achieved	10/31/01
IA3317401 MONTAUK HISTORICAL SITE		Population:	462	County: FAYETTE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02689	7/1/01	BCA issued	8/24/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03164	8/1/01	BCA issued	8/24/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03510	9/1/01	BCA issued	8/24/01
Coliform, Total (TCR)	Routine Major	2002-00276	12/1/01	Compliance Achieved	3/1/02
IA5300688 MONTI-VIEW MOBILE HOME PARK		Population:	75	County: JONES	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01890	3/1/01	Compliance Achieved	11/26/01
Coliform, Total (TCR)	Routine Major	2002-00278	10/1/01	Compliance Achieved	11/26/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5343098 MONTICELLO WATER SUPPLY		Population:	3607	County: JONES	
Arsenic	Routine Major	2002-00165	10/1/00	Compliance Achieved	10/8/01
Sodium	Routine Major	2002-00179	10/1/98	Compliance Achieved	10/8/01
Arsenic	Routine Major	2002-00184	10/1/00	Compliance Achieved	10/8/01
Sodium	Routine Major	2002-00198	10/1/98	Compliance Achieved	10/8/01
Sodium	Routine Major	2002-00511	10/1/98	Compliance Achieved	10/8/01
Arsenic	Routine Major	2002-00513	10/1/00	Compliance Achieved	10/8/01
IA1974222 MOONSHINE TAP		Population:	40	County: CHICKASAW	
Nitrate (as N)	Confirmation/Check Major	2002-03682	10/1/01	Compliance Achieved	12/27/01
Nitrate (as N)	Routine Major	2002-03827	10/1/00	Compliance Achieved	12/27/01
IA4728958 MOOREHEAD PARK #1		Population:	253	County: IDA	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02482	4/1/01	Compliance Achieved	8/14/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02665	6/1/01	Compliance Achieved	8/14/02
IA9461007 MOORLAND WATER SUPPLY		Population:	197	County: WEBSTER	
Ethylbenzene	Routine Major	2001-02154	1/1/01	Compliance Achieved	6/26/01
Xylenes	Routine Major	2001-02155	1/1/01	Compliance Achieved	6/26/01
Ethylbenzene	Routine Major	2002-00131	7/1/01	Compliance Achieved	3/19/02
Ethylbenzene	Routine Major	2002-00133	10/1/01	Compliance Achieved	3/19/02
Xylenes	Routine Major	2002-00136	10/1/01	Compliance Achieved	3/19/02
Xylenes	Routine Major	2002-03672	7/1/01	Compliance Achieved	3/19/02
IA5715973 MORGAN CREEK PARK		Population:	30	County: LINN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00034	10/1/01	NOV issued	10/19/01
IA8055014 MOUNT AYR WATER TREATMENT PLANT		Population:	1822	County: RINGGOLD	
Total Trihalomethanes (TTHM)	MCL, Average	2001-02226	1/1/01	BCA issued	12/30/01
Total Trihalomethanes (TTHM)	MCL, Average	2002-04013	7/1/01	BCA issued	12/30/01
Total Trihalomethanes (TTHM)	MCL, Average	2002-04037	10/1/01	BCA issued	12/30/01
IA5758801 MOUNT VERNON COMMUNITY BIBLE CHURCH		Population:	43	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02833	4/1/01	Compliance Achieved	9/26/01
IA1911204 MR Z'S CAFE		Population:	34	County: CHICKASAW	
Nitrate (as N)	Confirmation/Check Major	2002-00343	10/1/01	Compliance Achieved	6/17/02
Coliform, Total (TCR)	Routine Major	2002-00815	7/1/01	Compliance Achieved	6/17/02
Nitrite (as N)	Confirmation/Check Major	2002-03695	10/1/01	Compliance Achieved	6/17/02
Coliform, Total (TCR)	Routine Major	2002-03843	10/1/01	NOV issued	1/23/02
Nitrite (as N)	Routine Major	2002-03886	10/1/00	Compliance Achieved	6/17/02
Nitrate (as N)	Routine Major	2002-03887	10/1/00	Compliance Achieved	6/17/02
IA8222603 MT JOY MOBILE HOME PARK		Population:	173	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2001-02853	6/1/01	Compliance Achieved	7/31/01
Coliform, Total (TCR)	Routine Major	2002-00373	10/1/01	Compliance Achieved	11/28/01
Consumer Confidence Reports	Consumer Confidence Report	2002-04188	7/1/01	NOV issued	8/27/01
IA5502801 MURPHY FAMILY FARMS - FEED MILL		Population:	76	County: KOSSUTH	
Coliform, Total (TCR)	Routine Major	2001-02972	4/1/01	Compliance Achieved	11/27/01
Arsenic	Routine Major	2002-00479	6/30/01	Compliance Achieved	11/27/01
Coliform, Total (TCR)	Routine Major	2002-03856	7/1/01	Compliance Achieved	11/27/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1967041 NASHUA WATER SUPPLY		Population:	1618	County: CHICKASAW	
Arsenic	Routine Major	2002-00428	10/1/00	Compliance Achieved	10/30/01
Sodium	Routine Major	2002-00432	10/1/98	Compliance Achieved	10/30/01
Sodium	Routine Major	2002-00438	10/1/98	Compliance Achieved	10/30/01
Arsenic	Routine Major	2002-00443	10/1/00	Compliance Achieved	10/30/01
IA1271058 NEW HARTFORD WATER SUPPLY		Population:	659	County: BUTLER	
Ethylbenzene	Routine Major	2002-00275	10/1/01	Compliance Achieved	2/6/02
Xylenes	Routine Major	2002-03687	10/1/01	Compliance Achieved	2/6/02
IA6527545 NISHNA VALLEY COMMUNITY SCHOOL		Population:	328	County: MILLS	
Coliform, Total (TCR)	Routine Major	2001-01845	2/1/01	Compliance Achieved	3/7/01
Arsenic	Routine Major	2002-00536	10/1/00	Compliance Achieved	12/17/01
IA9630780 NOB HILL SUPPER CLUB		Population:	65	County: WINNESHIEK	
Coliform, Total (TCR)	Routine Major	2001-01849	2/1/01	Compliance Achieved	4/18/01
Nitrate (as N)	Routine Major	2001-01857	2/1/01	Compliance Achieved	4/18/01
Nitrate (as N)	Routine Major	2001-03010	6/1/01	Compliance Achieved	11/27/01
Nitrate (as N)	Routine Major	2001-03440	7/1/01	Compliance Achieved	8/22/01
IA3423801 NORA SPRINGS WEST HILLS GOLF COURSE		Population:	25	County: FLOYD	
Nitrate (as N)	Routine Major	2001-02932	7/1/00	Compliance Achieved	8/6/01
IA5200889 NORTH CORALVILLE LAKE MANOR		Population:	64	County: JOHNSON	
Arsenic	Routine Major	2001-03047	7/1/00	NOV issued	7/26/01
Coliform, Total (TCR)	Routine Major	2001-03226	7/1/01	Compliance Achieved	9/27/01
Coliform, Total (TCR)	Routine Major	2001-03604	8/1/01	Compliance Achieved	9/27/01
Consumer Confidence Reports	Consumer Confidence Report	2002-04189	7/1/01	NOV issued	8/27/01
IA3100609 NORTH END MOBILE HOME PARK		Population:	95	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-03600	8/1/01	Compliance Achieved	9/27/01
Nitrate (as N)	Routine Major	2002-00521	1/1/01	Compliance Achieved	1/8/02
IA5252072 NORTH LIBERTY WATER SUPPLY		Population:	5367	County: JOHNSON	
Sodium	Routine Major	2001-03058	7/1/98	Compliance Achieved	7/2/01
Arsenic	Routine Major	2001-03059	7/1/00	Compliance Achieved	7/2/01
IA3870200 OAK LEAF COUNTRY CLUB		Population:	40	County: GRUNDY	
Coliform, Total (TCR)	Routine Major	2001-02810	4/1/01	Compliance Achieved	7/16/01
Coliform, Total (TCR)	Routine Major	2001-03549	8/1/01	Compliance Achieved	12/27/01
IA5225302 OAK RIDGE LAKE ESTATES		Population:	88	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-02264	4/1/01	Compliance Achieved	5/1/01
Coliform, Total (TCR)	Repeat Major	2001-03200	7/1/01	Compliance Achieved	8/6/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03503	9/1/01	Compliance Achieved	4/9/02
Nitrate (as N)	Routine Major	2002-00690	10/1/00	Compliance Achieved	11/13/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03942	10/1/01	Compliance Achieved	4/9/02
IA5784311 OAK VALLEY		Population:	154	County: LINN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02540	6/1/01	NOV issued	6/25/01
IA5200982 OAKDALE HOSPITAL WATER SYSTEM		Population:	450	County: JOHNSON	
Copper	AL, 90th Percentile	2001-02513	1/1/01	BCA issued	6/6/01
IA4462200 OAKLAND MILLS STORE		Population:	77	County: HENRY	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03461	7/1/01	Compliance Achieved	4/8/02
Nitrate (as N)	Routine Major	2002-00712	10/1/00	Compliance Achieved	11/5/01
IA5868085 OAKVILLE WATER SUPPLY		Population:	439	County: LOUISA	
Copper	AL, 90th Percentile	2001-03658	1/1/01	BCA issued	9/28/01

Table B (Major 2001 Violations) Page 27 of 41

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1700352 OAKWOOD PARK WATER ASSOCIATION		Population:	25	County: CERRO GORDO	
Arsenic	MCL, Average	2001-01805	1/1/01	BCA issued	10/25/01
Arsenic	MCL, Average	2001-02499	4/1/01	BCA issued	10/25/01
Arsenic	MCL, Average	2001-03469	7/1/01	BCA issued	10/25/01
Arsenic	MCL, Average	2002-03961	10/1/01	BCA issued	10/25/01
IA0858090 OGDEN MUNICIPAL UTILITIES		Population:	2023	County: BOONE	
Copper	AL, 90th Percentile	2001-02192	1/1/01	BCA issued	10/31/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03975	11/1/01	Compliance Achieved	6/10/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04017	12/1/01	Compliance Achieved	6/10/02
Copper	AL, 90th Percentile	2002-04071	7/1/01	NOV issued	1/15/02
IA5600685 OHKIYU VILLAGE MHC		Population:	34	County: LEE	
Nitrate (as N)	Routine Major	2001-02055	4/1/00	Compliance Achieved	4/23/01
IA0330632 OLDTIMERS # 3 SOUTH		Population:	25	County: ALLAMAKEE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03494	7/1/01	NOV issued	9/12/01
IA5355094 OLIN WATER SUPPLY		Population:	716	County: JONES	
Nitrate (as N)	Routine Major	2001-02073	4/1/00	Compliance Achieved	5/22/01
IA6739770 ONAWA COUNTRY CLUB		Population:	50	County: MONONA	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03100	7/1/01	Compliance Achieved	3/6/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03168	8/1/01	Compliance Achieved	3/1/02
Coliform, Total (TCR)	Routine Major	2002-00144	11/1/01	Compliance Achieved	12/6/01
IA6739434 ONAWA KOA		Population:	302	County: MONONA	
Coliform, Total (TCR)	Routine Major	2001-02272	4/1/01	Compliance Achieved	5/29/01
IA3357769 ORAN PUB & GRILL		Population:	51	County: FAYETTE	
Nitrate (as N)	Confirmation/Check Major	2002-00243	10/1/01	AO w/ Penalty	2/22/02
Coliform, Total (TCR)	Routine Major	2002-00305	10/1/01	AO w/ Penalty	2/22/02
Nitrate (as N)	Routine Major	2002-00734	10/1/00	AO w/ Penalty	2/22/02
IA6663001 OSAGE MUNICIPAL WATER SUPPLY		Population:	3451	County: MITCHELL	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03998	11/1/01	Compliance Achieved	5/22/02
IA6273005 OSKALOOSA MUNICIPAL WATER DEPT		Population:	11474	County: MAHASKA	
Turbidity	Treatment Techniques	2001-03495	7/1/01	Compliance Achieved	1/31/02
IA2242203 OSTERDOCK STORE		Population:	26	County: CLAYTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02650	6/1/01	AG Case Referred	7/18/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02688	7/1/01	AG Case Referred	7/18/01
Coliform, Fecal	MCL (TCR), Acute	2001-03095	7/1/01	AG Case Referred	7/18/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03449	8/1/01	AG Case Referred	7/18/01
Coliform, Fecal	MCL (TCR), Acute	2001-03485	8/1/01	AG Case Referred	7/18/01
Coliform, Total (TCR)	Routine Major	2002-00732	10/1/01	Compliance Achieved	11/29/01
IA4622401 OXBOW PARK		Population:	100	County: HUMBOLDT	
Coliform, Total (TCR)	Routine Major	2001-01999	1/1/01	Compliance Achieved	4/9/01
Nitrate (as N)	Routine Major	2001-02041	1/1/01	Compliance Achieved	4/9/01
Nitrate (as N)	MCL, Single	2002-00021	7/1/01	NOV issued	10/5/01
Coliform, Total (TCR)	Routine Major	2002-00417	7/1/01	NOV issued	10/25/01
IA5260017 OXFORD WATER SUPPLY		Population:	705	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-03228	7/1/01	Compliance Achieved	8/30/01
Lead	AL, 90th Percentile	2002-04108	7/1/01	BCA issued	2/7/02
IA7561021 OYENS WATER SUPPLY		Population:	132	County: PLYMOUTH	
Consumer Confidence Reports September 30, 2002	Consumer Confidence Report	2002-04185	7/1/01	NOV issued	8/27/01

Table B (Major 2001 Violations) Page 28 of 41

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1716422 P.M. PARK TRUSTEES-EAST		Population:	25	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2001-01989	1/1/01	Compliance Achieved	4/4/01
IA7383901 PAGE I RURAL WATER DISTRICT		Population:	4200	County: PAGE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03450	8/1/01	Compliance Achieved	6/30/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04041	12/1/01	Compliance Achieved	6/30/02
IA5625216 PALMS SUPPER CLUB		Population:	120	County: LEE	
Nitrate (as N)	MCL, Single	2002-04040	1/1/01	Compliance Achieved	1/9/02
IA5765801 PALO UNITED METHODIST CHURCH		Population:	27	County: LINN	
Nitrate (as N)	MCL, Average	2002-03945	10/1/01	BCA issued	3/25/02
IA3971026 PANORA WATER WORKS		Population:	1175	County: GUTHRIE	
Nitrate (as N)	MCL, Single	2001-02536	6/1/01	Compliance Achieved	1/31/02
Nitrate (as N)	MCL, Single	2001-02700	7/1/01	Compliance Achieved	1/31/02
IA3353719 PARK VIEW MOTEL		Population:	27	County: FAYETTE	
Coliform, Total (TCR)	Repeat Major	2001-02714	4/1/01	Compliance Achieved	8/14/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03141	7/1/01	NOV issued	8/6/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03445	8/1/01	NOV issued	8/17/01
Coliform, Total (TCR)	Routine Major	2002-00207	9/1/01	AO w/ Penalty	6/12/02
Coliform, Total (TCR)	Routine Major	2002-00294	10/1/01	AO w/ Penalty	6/12/02
Nitrate (as N)	Routine Major	2002-00533	10/1/01	AO w/ Penalty	6/12/02
Nitrate (as N)	Routine Major	2002-00534	10/1/01	AO w/ Penalty	6/12/02
IA3170001 PEOSTA WATER SUPPLY		Population:	651	County: DUBUQUE	
Nitrate (as N)	Routine Major	2001-02382	4/1/01	Compliance Achieved	7/16/01
IA1750816 PINE CREEK GOLF COURSE		Population:	55	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2001-03530	7/1/01	Compliance Achieved	8/16/01
IA4509501 PINE GROVE MENNONITE SCHOOL		Population:	45	County: HOWARD	
Nitrate (as N)	Routine Major	2002-00565	1/1/01	Compliance Achieved	2/19/02
IA4236404 PINE LAKE CHRISTIAN CENTER		Population:	25	County: HARDIN	
Coliform, Total (TCR)	Repeat Major	2002-00076	11/1/01	Compliance Achieved	12/26/01
Coliform, Total (TCR)	Repeat Major	2002-00090	11/1/01	Compliance Achieved	12/26/01
Coliform, Total (TCR)	Repeat Major	2002-00096	11/1/01	Compliance Achieved	12/26/01
Coliform, Total (TCR)	Repeat Major	2002-00108	11/1/01	Compliance Achieved	12/26/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04002	11/1/01	NOV issued	11/26/01
IA4260210 PLA-MOR BOWL OF IOWA FALLS, INC.		Population:	173	County: HARDIN	
Coliform, Total (TCR)	Routine Major	2001-02811	4/1/01	Compliance Achieved	9/10/01
Nitrate (as N)	Routine Major	2002-00661	10/1/00	Compliance Achieved	11/13/01
IA2900600 PLANTATION VILLAGE MHP		Population:	49	County: DES MOINES	
Arsenic	Routine Major	2001-03048	7/1/00	Compliance Achieved	8/14/01
Sodium	Routine Major	2001-03049	7/1/98	Compliance Achieved	8/14/01
Coliform, Total (TCR)	Routine Major	2002-00079	11/1/01	Compliance Achieved	12/24/01
Gross Alpha, excluding Rn & U	Routine Major	2002-00157	10/1/97	Compliance Achieved	3/27/01
Radium, Combined (226, 228)	MCL, Average	2002-04171	1/1/01	BCA issued	10/25/01
IA7770050 POLK CITY WATER SUPPLY		Population:	2344	County: POLK	
Sodium	Routine Major	2001-03014	7/1/98	Compliance Achieved	7/26/01
Arsenic	Routine Major	2001-03015	7/1/00	Compliance Achieved	7/26/01
Copper	AL, 90th Percentile	2002-03959	1/1/01	NOV issued	11/1/01
Copper	AL, 90th Percentile	2002-04061	7/1/01	NOV issued	1/9/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA0690885 PONDEROSA BALLROOM		Population:	100	County: BENTON	
Coliform, Total (TCR)	Routine Major	2002-00082	7/1/01	Compliance Achieved	10/1/01
IA6525769 PONDEROSA TRUCK STOP		Population:	150	County: MILLS	
Nitrate (as N)	Routine Major	2001-01691	1/1/01	Compliance Achieved	10/8/01
Coliform, Total (TCR)	Routine Major	2001-02124	1/1/01	Compliance Achieved	5/1/01
Nitrate (as N)	Routine Major	2001-03372	7/1/01	Compliance Achieved	10/8/01
IA6525979 PONY CREEK PARK		Population:	28	County: MILLS	
Coliform, Total (TCR)	Routine Major	2001-02243	4/1/01	Compliance Achieved	5/29/01
Nitrate (as N)	Routine Major	2001-02904	7/1/00	Compliance Achieved	7/24/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03489	7/1/01	NOV issued	9/5/01
Coliform, Fecal	MCL (TCR), Acute	2001-03648	7/1/01	NOV issued	9/24/01
Coliform, Total (TCR)	Routine Major	2002-00352	9/1/01	Compliance Achieved	12/19/01
IA9700901 PRAIRIE HILLS		Population:	45	County: WOODBURY	
Nitrate (as N)	Routine Major	2002-03782	1/1/01	Compliance Achieved	1/22/02
IA2500600 PRAIRIE VILLAGE MOBILE HOME PK		Population:	200	County: DALLAS	
Arsenic	Routine Major	2002-00148	10/1/00	Compliance Achieved	10/30/01
IA5502731 PRIME TIME RESTAURANT & SPORTS LOUNGE		Population:	110	County: KOSSUTH	
Coliform, Total (TCR)	Routine Major	2001-02827	4/1/01	Compliance Achieved	8/14/01
Nitrate (as N)	Routine Major	2001-02918	7/1/00	Compliance Achieved	8/14/01
IA8273061 PRINCETON WATER SUPPLY		Population:	946	County: SCOTT	
Nitrate (as N)	Routine Major	2001-02035	4/1/00	Compliance Achieved	5/8/01
IA7853801 QUAIL RUN COUNTRY CLUB		Population:	45	County: POTTAWATTAMIE	
Nitrate (as N)	Routine Major	2001-02887	7/1/00	Compliance Achieved	8/7/01
IA4271901 QUAKERDALE		Population:	35	County: HARDIN	
Sodium	Routine Major	2002-00400	1/1/99	Compliance Achieved	2/11/02
IA3126303 QUALITY WATER, INC. #2 (K-L)		Population:	70	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-03601	8/1/01	Compliance Achieved	9/27/01
Arsenic	Routine Major	2002-00220	1/1/01	Compliance Achieved	1/8/02
Sodium	Routine Major	2002-00224	1/1/99	Compliance Achieved	1/8/02
IA1074567 QUASQUETON ELEMENTARY SCHOOL		Population:	265	County: BUCHANAN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01606	2/1/01	Compliance Achieved	10/9/01
IA3158589 R H C L SCHOOL		Population:	111	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-02256	4/1/01	Compliance Achieved	5/15/01
Coliform, Total (TCR)	Routine Major	2002-00201	10/1/01	Compliance Achieved	12/11/01
IA5377727 R J'S STATION		Population:	31	County: JONES	
Nitrate (as N)	Routine Major	2002-00763	9/1/01	Compliance Achieved	10/2/01
IA5502203 RACERS BAR & GRILL		Population:	105	County: KOSSUTH	
Nitrate (as N)	Routine Major	2002-00735	1/1/01	Compliance Achieved	4/23/02
Coliform, Total (TCR)	Routine Major	2002-03840	10/1/01	Compliance Achieved	4/23/02
Nitrite (as N)	Routine Major	2002-03842	1/1/01	Compliance Achieved	4/23/02
IA7727601 RADIO CITY MHP		Population:	400	County: POLK	
Coliform, Total (TCR)	Routine Major	2001-02995	6/1/01	Compliance Achieved	7/23/01
Coliform, Total (TCR)	Routine Major	2001-03629	8/1/01	Compliance Achieved	9/24/01
IA5285722 RANCH SUPPER CLUB		Population:	66	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2002-00477	7/1/01	Compliance Achieved	12/28/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1700628 RAYBURN COURT FOR MOBILE HOMES		Population:	36	County: CERRO GORDO	
Arsenic	MCL, Average	2001-01912	1/1/01	BCA issued	10/25/01
Arsenic	MCL, Average	2001-03468	4/1/01	BCA issued	10/25/01
Sodium	Routine Major	2002-00355	1/1/99	Compliance Achieved	12/27/01
Consumer Confidence Reports	Consumer Confidence Report	2002-04885	7/1/01	NOV issued	8/27/02
IA1170078 REMBRANDT WATER SUPPLY		Population:	228	County: BUENA VISTA	
Coliform, Total (TCR)	Routine Major	2001-01841	2/1/01	Compliance Achieved	3/13/01
IA4669080 RENWICK MUNIC WATER SUPPLY		Population:	306	County: HUMBOLDT	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03991	11/1/01	Compliance Achieved	5/14/02
IA5200318 RIVER HEIGHTS PROPERTY OWNERS ASSOC.		Population:	390	County: JOHNSON	
Nitrate (as N)	Routine Major	2001-02049	4/1/00	Compliance Achieved	4/10/01
IA2570302 RIVER OAKS DEVELOPMENT		Population:	77	County: DALLAS	
Sodium	Routine Major	2001-02156	4/1/98	Compliance Achieved	4/30/01
Arsenic	Routine Major	2001-02157	4/1/00	Compliance Achieved	4/30/01
Coliform, Total (TCR)	Routine Major	2001-03224	7/1/01	Compliance Achieved	8/21/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA5748201 RIVERSTONE		Population:	65	County: LINN	
Nitrite (as N)	Confirmation/Check Major	2001-01837	1/1/01	Compliance Achieved	3/28/01
Nitrate (as N)	Confirmation/Check Major	2001-01838	1/1/01	Compliance Achieved	3/28/01
Coliform, Total (TCR)	Routine Major	2001-02985	4/1/01	Compliance Achieved	7/30/01
Benzo (a) Pyrene	Routine Major	2001-03374	7/1/96	Compliance Achieved	11/28/01
Pentachlorophenol	Routine Major	2001-03375	7/1/96	Compliance Achieved	11/28/01
Dalapon	Routine Major	2001-03376	7/1/96	Compliance Achieved	11/28/01
Di(2-Ethylhexyl) Adipate	Routine Major	2001-03377	7/1/96	Compliance Achieved	11/28/01
Simazine	Routine Major	2001-03378	7/1/96	Compliance Achieved	11/28/01
Di(2-Ethylhexyl) Phthalate	Routine Major	2001-03379	7/1/96	Compliance Achieved	11/28/01
Picloram	Routine Major	2001-03380	7/1/96	Compliance Achieved	11/28/01
Dinoseb	Routine Major	2001-03381	7/1/96	Compliance Achieved	11/28/01
Atrazine	Routine Major	2001-03382	7/1/96	Compliance Achieved	11/28/01
Alachlor (Lasso)	Routine Major	2001-03383	7/1/96	Compliance Achieved	11/28/01
2,4-D	Routine Major	2001-03384	7/1/96	Compliance Achieved	11/28/01
2,4,5-TP (Silvex)	Routine Major	2001-03385	7/1/96	Compliance Achieved	11/28/01
1,2,4-Trichlorobenzene	Routine Major	2001-03386	7/1/96	Compliance Achieved	11/28/01
cis-1,2-Dichloroethylene	Routine Major	2001-03387	7/1/96	Compliance Achieved	11/28/01
Xylenes	Routine Major	2001-03388	7/1/96	Compliance Achieved	11/28/01
Dichloromethane	Routine Major	2001-03389	7/1/96	Compliance Achieved	11/28/01
o-Dichlorobenzene	Routine Major	2001-03390	7/1/96	Compliance Achieved	11/28/01
p-Dichlorobenzene	Routine Major	2001-03391	7/1/96	Compliance Achieved	11/28/01
Vinyl Chloride	Routine Major	2001-03392	7/1/96	Compliance Achieved	11/28/01
1,1-Dichloroethylene	Routine Major	2001-03393	7/1/96	Compliance Achieved	11/28/01
trans-1,2-Dichloroethylene	Routine Major	2001-03394	7/1/96	Compliance Achieved	11/28/01
1,2-Dichloroethane	Routine Major	2001-03395	7/1/96	Compliance Achieved	11/28/01
1,1,1-Trichloroethane	Routine Major	2001-03396	7/1/96	Compliance Achieved	11/28/01
Carbon Tetrachloride	Routine Major	2001-03397	7/1/96	Compliance Achieved	11/28/01
1,2-Dichloropropane	Routine Major	2001-03398	7/1/96	Compliance Achieved	11/28/01
Trichloroethylene	Routine Major	2001-03399	7/1/96	Compliance Achieved	11/28/01
1,1,2-Trichloroethane	Routine Major	2001-03400	7/1/96	Compliance Achieved	11/28/01
Tetrachloroethylene	Routine Major	2001-03401	7/1/96	Compliance Achieved	11/28/01
Monochlorobenzene	Routine Major	2001-03402	7/1/96	Compliance Achieved	11/28/01
Benzene	Routine Major	2001-03403	7/1/96	Compliance Achieved	11/28/01
Toluene	Routine Major	2001-03404	7/1/96	Compliance Achieved	11/28/01
Ethylbenzene	Routine Major	2001-03405	7/1/96	Compliance Achieved	11/28/01
Styrene	Routine Major	2001-03406	7/1/96	Compliance Achieved	11/28/01
Alachlor (Lasso)	Routine Major	2002-00838	7/1/01	Compliance Achieved	11/28/01
Atrazine	Routine Major	2002-00839	7/1/01	Compliance Achieved	11/28/01
Pentachlorophenol	Routine Major	2002-00843	7/1/01	Compliance Achieved	11/28/01
Di(2-Ethylhexyl) Phthalate	Routine Major	2002-00844	7/1/01	Compliance Achieved	11/28/01
Benzo (a) Pyrene	Routine Major	2002-00846	7/1/01	Compliance Achieved	11/28/01
Di(2-Ethylhexyl) Adipate	Routine Major	2002-03907	7/1/01	Compliance Achieved	11/28/01
2,4-D	Routine Major	2002-03910	7/1/01	Compliance Achieved	11/28/01

September 30, 2002

Table B (Major 2001 Violations) Page 32 of 41

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
Dalapon	Routine Major	2002-03911	7/1/01	Compliance Achieved	11/28/01
Dinoseb	Routine Major	2002-03912	7/1/01	Compliance Achieved	11/28/01
Picloram	Routine Major	2002-03915	7/1/01	Compliance Achieved	11/28/01
Simazine	Routine Major	2002-03917	7/1/01	Compliance Achieved	11/28/01
2,4,5-TP (Silvex)	Routine Major	2002-03918	7/1/01	Compliance Achieved	11/28/01
Benzene	Routine Major	2002-03919	7/1/01	Compliance Achieved	11/28/01
Carbon Tetrachloride	Routine Major	2002-03920	7/1/01	Compliance Achieved	11/28/01
o-Dichlorobenzene	Routine Major	2002-03921	7/1/01	Compliance Achieved	11/28/01
p-Dichlorobenzene	Routine Major	2002-03922	7/1/01	Compliance Achieved	11/28/01
1,2-Dichloroethane	Routine Major	2002-03923	7/1/01	Compliance Achieved	11/28/01
1,1-Dichloroethylene	Routine Major	2002-03924	7/1/01	Compliance Achieved	11/28/01
cis-1,2-Dichloroethylene	Routine Major	2002-03925	7/1/01	Compliance Achieved	11/28/01
trans-1,2-Dichloroethylene	Routine Major	2002-03926	7/1/01	Compliance Achieved	11/28/01
Dichloromethane	Routine Major	2002-03927	7/1/01	Compliance Achieved	11/28/01
1,2-Dichloropropane	Routine Major	2002-03928	7/1/01	Compliance Achieved	11/28/01
Ethylbenzene	Routine Major	2002-03929	7/1/01	Compliance Achieved	11/28/01
Monochlorobenzene	Routine Major	2002-03930	7/1/01	Compliance Achieved	11/28/01
Styrene	Routine Major	2002-03931	7/1/01	Compliance Achieved	11/28/01
Tetrachloroethylene	Routine Major	2002-03932	7/1/01	Compliance Achieved	11/28/01
Toluene	Routine Major	2002-03933	7/1/01	Compliance Achieved	11/28/01
1,2,4-Trichlorobenzene	Routine Major	2002-03934	7/1/01	Compliance Achieved	11/28/01
1,1,1-Trichloroethane	Routine Major	2002-03935	7/1/01	Compliance Achieved	11/28/01
1,1,2-Trichloroethane	Routine Major	2002-03936	7/1/01	Compliance Achieved	11/28/01
Trichloroethylene	Routine Major	2002-03937	7/1/01	Compliance Achieved	11/28/01
Vinyl Chloride	Routine Major	2002-03938	7/1/01	Compliance Achieved	11/28/01
Xylenes	Routine Major	2002-03939	7/1/01	Compliance Achieved	11/28/01
IA8482096 ROCK VALLEY WATER SUPPLY		Population:	2702	County: SIOUX	
Nitrate (as N)	MCL, Single	2001-01897	4/1/01	Compliance Achieved	10/15/01
IA5225204 ROCKS ROADHOUSE		Population:	55	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02695	7/1/01	Compliance Achieved	1/17/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA9525601 ROCKY KNOLL MHP		Population:	65	County: WINNEBAGO	
Coliform, Total (TCR)	Repeat Major	2001-01332	12/1/00	Compliance Achieved	1/5/01
Copper	Routine Tap	2001-02866	1/1/01	Compliance Achieved	2/28/02
Lead	Routine Tap	2001-02867	1/1/01	Compliance Achieved	2/28/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03487	8/1/01	Compliance Achieved	7/30/02
Coliform, Total (TCR)	Repeat Major	2002-00164	11/1/01	Compliance Achieved	2/28/02
Coliform, Total (TCR)	Routine Major	2002-00173	9/1/01	Compliance Achieved	11/30/01
Coliform, Total (TCR)	Routine Major	2002-00182	12/1/01	Compliance Achieved	2/28/02
Coliform, Total (TCR)	Routine Major	2002-00399	10/1/01	Compliance Achieved	11/30/01
Copper	Routine Tap	2002-00506	7/1/01	Compliance Achieved	2/28/02
Lead	Routine Tap	2002-00507	7/1/01	Compliance Achieved	2/28/02
Coliform, Total (TCR)	Routine Major	2002-00633	9/1/01	Compliance Achieved	9/28/01
Nitrate (as N)	Routine Major	2002-03762	1/1/01	Compliance Achieved	2/28/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04012	11/1/01	Compliance Achieved	7/30/02
Consumer Confidence Reports	Consumer Confidence Report	2002-04184	7/1/01	NOV issued	8/27/01
IA2817710 ROCKY NOOK ASSOCIATION, INC.		Population:	50	County: DELAWARE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03126	7/1/01	BCA issued	8/21/01
Coliform, Fecal	MCL (TCR), Acute	2001-03145	7/1/01	BCA issued	8/21/01
Nitrate (as N)	Routine Major	2001-03626	8/1/01	Compliance Achieved	9/5/01
IA1253805 ROUND GROVE GOLF & COUNTRY CLUB		Population:	87	County: BUTLER	
Nitrate (as N)	Routine Major	2002-00698	10/1/00	Compliance Achieved	10/30/01
IA1080568 ROWLEY ELEMENTARY SCHOOL		Population:	145	County: BUCHANAN	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03645	9/1/01	Compliance Achieved	3/12/02
IA5282303 ROYAL OAKS SUBDIVISION		Population:	108	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03137	7/1/01	Compliance Achieved	2/23/02
IA8400722 RURAL WATER SYSTEM #1		Population:	2835	County: SIOUX	
Copper	AL, 90th Percentile	2001-03127	1/1/01	Compliance Achieved	12/20/01
Coliform, Total (TCR)	Routine Major	2002-00231	11/1/01	Compliance Achieved	10/31/01
IA3126590 SAGEVILLE ELEMENTARY SCHOOL		Population:	435	County: DUBUQUE	
Nitrate (as N)	Routine Major	2002-03740	1/1/01	Compliance Achieved	1/29/02
IA8156028 SCHALLER WATER SUPPLY		Population:	779	County: SAC	
Nitrite (as N)	MCL, Single	2001-01804	3/1/01	Compliance Achieved	7/2/01
IA4515709 SCOOTER'S TOWER CLUB		Population:	40	County: HOWARD	
Coliform, Total (TCR)	Routine Major	2001-02813	4/1/01	Compliance Achieved	12/4/01
Nitrate (as N)	Routine Major	2001-02896	7/1/00	Compliance Achieved	12/4/01
Nitrate (as N)	Confirmation/Check Major	2001-03566	7/1/01	Compliance Achieved	12/3/01
Coliform, Total (TCR)	Routine Major	2002-00408	7/1/01	Compliance Achieved	12/4/01
IA8251999 SCOTT CO PK-PINE GROVE		Population:	27	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2001-02858	6/1/01	Compliance Achieved	7/9/01
IA2974615 SEVEN PONDS PARK		Population:	648	County: DES MOINES	
Coliform, Total (TCR)	Routine Major	2001-02795	4/1/01	Compliance Achieved	10/17/01
Nitrate (as N)	Routine Major	2001-02899	7/1/00	Compliance Achieved	10/17/01
Nitrate (as N)	Confirmation/Check Major	2001-03567	7/1/01	Compliance Achieved	10/17/01
IA7048488 SHADY CREEK PUBLIC USE AREA 1		Population:	62	County: MUSCATINE	
Nitrate (as N)	Routine Major	2002-00651	10/1/00	Compliance Achieved	10/10/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1003202 SHELBY'S		Population:	27	County: BUCHANAN	
Coliform, Total (TCR)	Repeat Major	2001-03210	7/1/01	Compliance Achieved	8/13/01
IA1286104 SHELL ROCK PRODUCTS, INC., (OFFICE)		Population:	25	County: BUTLER	
Coliform, Total (TCR)	Routine Major	2002-00117	10/1/01	Compliance Achieved	3/4/02
IA1286106 SHELL ROCK PRODUCTS, INC.-NEW SHOP WELL		Population:	50	County: BUTLER	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02224	4/1/01	Compliance Achieved	11/26/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02664	6/1/01	Compliance Achieved	12/6/01
IA4140202 SID'S GAS & GROCERIES		Population:	160	County: HANCOCK	
Coliform, Total (TCR)	Routine Major	2002-00728	10/1/01	NOV issued	1/22/02
Nitrite (as N)	Routine Major	2002-03838	1/1/01	NOV issued	1/22/02
Nitrate (as N)	Routine Major	2002-03839	1/1/01	NOV issued	1/22/02
IA5475101 SIGOURNEY FOODS		Population:	110	County: KEOKUK	
Arsenic	Routine Major	2001-02466	5/1/00	Compliance Achieved	5/24/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03943	10/1/01	Compliance Achieved	3/21/02
IA9630882 SILVERCREST GOLF & COUNTRY CLUB, INC.		Population:	88	County: WINNESHIEK	
Nitrate (as N)	Confirmation/Check Major	2001-02250	10/1/00	Compliance Achieved	9/26/01
IA5260601 SLEEPY HOLLOW ENTERPRISES		Population:	55	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2001-03229	7/1/01	Compliance Achieved	8/22/01
IA5260201 SLEEPY HOLLOW STORE		Population:	227	County: JOHNSON	
Coliform, Total (TCR)	Routine Major	2002-03721	7/1/01	Compliance Achieved	10/9/01
IA7774701 SOUTHEAST POLK RWD		Population:	5127	County: POLK	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02684	7/1/01	Compliance Achieved	1/31/02
IA9414503 SOUTHEAST WEBSTER COMMUNITY SCHOOL		Population:	400	County: WEBSTER	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00032	10/1/01	NOV issued	10/15/01
IA9909304 SOUTHWELL LAKE ASSOCIATION		Population:	70	County: WRIGHT	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01914	4/1/01	NOV issued	6/4/01
Coliform, Total (TCR)	Repeat Major	2001-02246	4/1/01	Compliance Achieved	7/12/01
Coliform, Total (TCR)	Routine Major	2001-02568	5/1/01	Compliance Achieved	7/12/01
Coliform, Total (TCR)	Repeat Major	2002-00193	7/1/01	NOV issued	11/20/01
Coliform, Total (TCR)	Routine Major	2002-00203	10/1/01	NOV issued	11/20/01
IA1182738 SPARKYS ONE STOP		Population:	75	County: BUENA VISTA	
Coliform, Total (TCR)	Routine Major	2002-00151	7/1/01	Compliance Achieved	11/12/01
Nitrate (as N)	Routine Major	2002-00658	10/1/00	Compliance Achieved	11/12/01
IA2974001 SPERRY WATER SUPPLY		Population:	76	County: DES MOINES	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-01873	3/1/01	Compliance Achieved	9/18/01
IA2909461 SPRING LAKE CAMPGROUND		Population:	35	County: DES MOINES	
Nitrate (as N)	Routine Major	2001-02941	7/1/00	Compliance Achieved	7/9/01
Nitrate (as N)	Routine Major	2001-02942	7/1/00	Compliance Achieved	7/9/01
Nitrate (as N)	Routine Major	2001-02943	7/1/00	Compliance Achieved	7/9/01
IA5625819 SPRING LAKE GOLF CLUB LLC		Population:	55	County: LEE	
Nitrate (as N)	Routine Major	2001-02940	7/1/00	Compliance Achieved	8/1/01
IA2330847 SPRINGBROOK COUNTRY CLUB		Population:	86	County: CLINTON	
Nitrate (as N)	MCL, Single	2002-04023	12/1/01	NOV issued	12/28/01
IA3937934 SPRINGBROOK STATE PARK-MAIN SYSTEM		Population:	67	County: GUTHRIE	
Nitrate (as N)	Routine Major	2001-02893	7/1/00	Compliance Achieved	7/7/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA4984086 SPRINGBROOK WATER DEPT		Population:	182	County: JACKSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02521	6/1/01	Compliance Achieved	5/18/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03148	8/1/01	Compliance Achieved	5/18/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03492	9/1/01	Compliance Achieved	5/18/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03972	11/1/01	Compliance Achieved	5/18/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04022	12/1/01	Compliance Achieved	5/18/02
IA1253853 ST JOHN'S LUTHERAN CHURCH		Population:	29	County: BUTLER	
Nitrate (as N)	Routine Major	2001-02926	7/1/00	Compliance Achieved	10/2/00
Nitrate (as N)	Confirmation/Check Major	2001-03574	7/1/01	AO w/ Penalty	4/23/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03987	10/1/01	AO w/ Penalty	4/23/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04009	11/1/01	AO w/ Penalty	4/23/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04034	12/1/01	AO w/ Penalty	4/23/02
IA3368599 ST LUKE PARISH CENTER		Population:	27	County: FAYETTE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03497	7/1/01	NOV issued	9/13/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03944	10/1/01	NOV issued	10/30/01
IA3420503 ST MARY'S CHURCH		Population:	25	County: FLOYD	
Nitrate (as N)	Routine Major	2001-02912	6/1/01	Compliance Achieved	11/14/01
Nitrate (as N)	Routine Major	2001-03269	7/1/01	Compliance Achieved	11/14/01
Nitrate (as N)	Routine Major	2001-03621	8/1/01	Compliance Achieved	11/14/01
IA7820802 ST PAUL'S EVANGELICAL COUNTRY CHURCH		Population:	178	County: POTTAWATTAMIE	
Nitrate (as N)	Routine Major	2002-00652	1/1/01	Compliance Achieved	2/5/02
IA3126594 ST.JOSEPH'S SCHOOL & PARISH		Population:	225	County: DUBUQUE	
Copper	Routine Tap	2002-00340	6/1/99	NOV issued	10/22/01
Lead	Routine Tap	2002-00342	6/1/99	NOV issued	10/22/01
IA6677089 STACYVILLE WATER SUPPLY		Population:	469	County: MITCHELL	
Nitrate (as N)	MCL, Single	2001-01809	3/1/01	Compliance Achieved	11/14/01
Nitrate (as N)	MCL, Single	2001-02200	4/1/01	Compliance Achieved	11/14/01
Nitrate (as N)	MCL, Single	2001-03093	7/1/01	Compliance Achieved	11/14/01
IA4045090 STANHOPE WATER DEPARTMENT		Population:	488	County: HAMILTON	
Arsenic	Routine Major	2002-00244	1/1/01	Compliance Achieved	1/25/02
IA1681092 STANWOOD WATER SUPPLY		Population:	680	County: CEDAR	
Copper	AL, 90th Percentile	2001-02472	1/1/01	BCA issued	3/5/02
Copper	AL, 90th Percentile	2002-04196	7/1/01	BCA issued	3/5/02
IA9778966 STONE STATE PARK		Population:	607	County: WOODBURY	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03995	11/1/01	Compliance Achieved	4/18/02
IA8584000 STORY CITY WATER DEPT		Population:	3228	County: STORY	
Lead	AL, 90th Percentile	2001-02626	1/1/01	NOV issued	6/18/01
Sodium	Routine Major	2001-03023	7/1/98	Compliance Achieved	7/20/01
Arsenic	Routine Major	2001-03024	7/1/00	Compliance Achieved	7/20/01
Lead	AL, 90th Percentile	2002-00044	7/1/01	BCA issued	10/15/01
IA0970006 SUMNER WATER SUPPLY		Population:	2106	County: BREMER	
Nitrate (as N)	Routine Major	2002-00700	10/1/00	Compliance Achieved	10/25/01
IA1778008 SWALEDALE WATER SUPPLY		Population:	174	County: CERRO GORDO	
Sodium	Routine Major	2002-00095	1/1/99	Compliance Achieved	1/29/02
Arsenic	Routine Major	2002-00113	1/1/01	Compliance Achieved	1/29/02

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA1970101 SWARTZROCK IMPLEMENT		Population:	25	County: CHICKASAW	
Nitrate (as N)	Routine Major	2001-02072	4/1/00	Compliance Achieved	5/8/01
Coliform, Total (TCR)	Routine Major	2002-00194	10/1/01	NOV issued	1/23/02
IA3126941 SWISS VALLEY NATURE CENTER		Population:	363	County: DUBUQUE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03104	7/1/01	Compliance Achieved	2/13/02
IA5525807 SYCAMORE APARTMENTS		Population:	50	County: JOHNSON	
Consumer Confidence Reports	Consumer Confidence Report	2002-04190	7/1/01	Compliance Achieved	5/21/02
IA2320201 SYRACUSE BAR & GRILL		Population:	25	County: CLINTON	
Coliform, Total (TCR)	Routine Major	2001-01920	3/1/01	Compliance Achieved	9/10/01
Coliform, Total (TCR)	Routine Major	2001-02792	4/1/01	Compliance Achieved	9/10/01
IA3667012 TABOR WATER SUPPLY		Population:	993	County: FREMONT	
Copper	AL, 90th Percentile	2002-04051	7/1/01	NOV issued	1/9/02
IA0685201 TARA HILLS COUNTRY CLUB		Population:	27	County: BENTON	
Coliform, Total (TCR)	Routine Major	2001-02956	4/1/01	Compliance Achieved	7/10/01
IA6920833 THE HAYLOFT TAVERN		Population:	25	County: MONTGOMERY	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03514	7/1/01	Compliance Achieved	12/20/01
IA3643201 THE JUNCTION		Population:	203	County: FREMONT	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02481	5/1/01	Compliance Achieved	1/2/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02654	6/1/01	Compliance Achieved	1/2/02
IA8222179 THE MARLEY PUMP COMPANY		Population:	345	County: SCOTT	
Lead	AL, 90th Percentile	2001-03146	6/1/99	BCA issued	12/19/01
IA3126207 THE MEADOWS GOLF COURSE		Population:	100	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-01996	1/1/01	Compliance Achieved	4/2/01
Nitrate (as N)	Routine Major	2001-02087	4/1/00	Compliance Achieved	4/2/01
IA0398201 THE OLD ROSSVILLE STORE		Population:	55	County: ALLAMAKEE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03142	7/1/01	BCA issued	9/27/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03169	8/1/01	BCA issued	9/27/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03652	9/1/01	BCA issued	9/27/01
Coliform, Total (TCR)	Routine Major	2002-00062	10/1/01	Compliance Achieved	12/11/01
IA9644201 THE OLD STORE		Population:	38	County: WINNESHIEK	
Nitrate (as N)	MCL, Single	2001-01907	4/1/01	Compliance Achieved	11/5/01
Nitrate (as N)	MCL, Single	2001-02471	5/1/01	AO w/o Penalty	2/25/02
IA1750761 THE OUTER EDGE, INC.		Population:	36	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2002-00163	10/1/01	Compliance Achieved	1/24/02
Nitrate (as N)	Confirmation/Check Major	2002-00221	10/1/01	NOV issued	12/18/01
Nitrate (as N)	Routine Major	2002-00703	10/1/00	NOV issued	10/25/01
Coliform, Total (TCR)	Routine Major	2002-03678	7/1/01	NOV issued	10/25/01
IA1750708 THE ROSE BOWL		Population:	26	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2001-02789	4/1/01	Compliance Achieved	8/13/01
IA3300770 THE SPORTSMEN		Population:	187	County: FAYETTE	
Coliform, Total (TCR)	Routine Major	2002-00372	9/1/01	Compliance Achieved	11/28/01
IA8209310 THE WOODS OF FOX HOLLOW		Population:	28	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2001-02463	4/1/01	Compliance Achieved	9/26/01
Coliform, Total (TCR)	Routine Major	2001-02464	4/1/01	Compliance Achieved	9/26/01
Coliform, Total (TCR)	Routine Major	2001-02618	5/1/01	Compliance Achieved	9/26/01
Coliform, Total (TCR)	Routine Major	2001-02619	5/1/01	Compliance Achieved	9/26/01
Nitrite (as N)	Routine Major	2001-03000	7/1/00	Compliance Achieved	11/26/01

September 30, 2002

Table B (Major 2001 Violations) Page 37 of 41

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA9637201 THE ZIPPER		Population:	30	County: WINNESHIEK	
Coliform, Total (TCR)	Routine Major	2001-02012	1/1/01	Compliance Achieved	4/16/01
Coliform, Total (TCR)	Routine Major	2002-00636	7/1/01	Compliance Achieved	10/2/01
Nitrate (as N)	Routine Major	2002-00669	10/1/00	Compliance Achieved	10/2/01
IA9585017 THOMPSON WATER WORKS		Population:	596	County: WINNEBAGO	
Sodium	Routine Major	2001-03030	7/1/98	Compliance Achieved	7/31/01
Arsenic	Routine Major	2001-03031	7/1/00	Compliance Achieved	7/31/01
Vinyl Chloride	Routine Major	2001-03032	4/1/01	Compliance Achieved	7/31/01
IA5288021 TIFFIN WATER SUPPLY		Population:	975	County: JOHNSON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03653	9/1/01	Compliance Achieved	3/18/02
Sodium	Routine Major	2002-00542	10/1/98	Compliance Achieved	11/7/01
Arsenic	Routine Major	2002-03746	10/1/00	Compliance Achieved	11/7/01
IA3126883 TIMBERLINE GOLF COURSE INC.		Population:	130	County: DUBUQUE	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03140	7/1/01	NOV issued	8/15/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03170	8/1/01	NOV issued	8/15/01
Coliform, Total (TCR)	Routine Major	2002-00174	9/1/01	Compliance Achieved	10/1/01
IA8676027 TOLEDO WATER SUPPLY		Population:	2539	County: TAMA	
Sodium	Routine Major	2001-03050	7/1/00	Compliance Achieved	7/26/01
Arsenic	Routine Major	2001-03051	7/1/00	Compliance Achieved	7/26/01
IA0990208 TORI'S STEAK HOUSE		Population:	137	County: BREMER	
Nitrate (as N)	MCL, Average	2001-02701	7/1/00	BCA issued	9/24/01
Nitrite (as N)	Routine Major	2001-02998	7/1/00	Compliance Achieved	10/1/01
Nitrite (as N)	Confirmation/Check Major	2001-03593	7/1/01	Compliance Achieved	10/1/01
Nitrate (as N)	MCL, Single	2001-03659	9/1/01	BCA issued	9/24/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03663	9/1/01	BCA issued	9/24/01
Coliform, Total (TCR)	Repeat Major	2002-00316	10/1/01	Compliance Achieved	12/20/01
Nitrate (as N)	Routine Major	2002-00336	11/1/01	Compliance Achieved	12/20/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-03969	11/1/01	BCA issued	9/24/01
Nitrate (as N)	MCL, Single	2002-04048	12/1/01	BCA issued	9/24/01
IA7820204 TOWN & COUNTRY AQUA CLUB		Population:	30	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2002-00568	7/1/01	Compliance Achieved	6/25/02
Nitrate (as N)	Routine Major	2002-03800	7/1/01	Compliance Achieved	6/25/02
IA1900669 TOWN & COUNTRY MOBILE HOME PK		Population:	26	County: CHICKASAW	
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-00023	10/1/01	NOV issued	10/12/01
IA7820843 TREYNOR ELECTRIC QUICK STORE		Population:	26	County: POTTAWATTAMIE	
Coliform, Total (TCR)	Routine Major	2002-03758	7/1/01	Compliance Achieved	11/28/01
IA7853561 TRI CENTER COMMUNITY SCHOOL		Population:	805	County: POTTAWATTAMIE	
Copper	AL, 90th Percentile	2001-02194	1/1/01	NOV issued	8/13/01
Copper	AL, 90th Percentile	2001-03156	1/1/01	NOV issued	8/13/01
Arsenic	Routine Major	2002-00115	10/1/00	NOV issued	11/15/01
Coliform, Total (TCR)	Routine Major	2002-00177	11/1/01	Compliance Achieved	12/4/01
IA8209301 TROUT VALLEY 2ND ADDITION		Population:	97	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2001-02849	6/1/01	Compliance Achieved	7/11/01
Consumer Confidence Reports	Consumer Confidence Report	2002-04191	7/1/01	NOV issued	8/27/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA8209398 TROUT VALLEY HOMES ASSOC. 1		Population:	95	County: SCOTT	
Coliform, Total (TCR)	Routine Major	2001-02850	6/1/01	Compliance Achieved	7/11/01
Consumer Confidence Reports	Consumer Confidence Report	2002-04192	7/1/01	NOV issued	8/27/01
IA3126209 TRUCK COUNTRY OF IOWA		Population:	55	County: DUBUQUE	
Nitrate (as N)	Routine Major	2001-02115	4/1/00	Compliance Achieved	4/25/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02199	4/1/01	Compliance Achieved	10/3/01
Arsenic	Routine Major	2002-00494	10/1/00	Compliance Achieved	11/8/01
IA9661531 TURKEY VALLEY COMMUNITY SCHOOL		Population:	750	County: WINNESHIEK	
Coliform, Total (TCR)	Routine Major	2001-02013	3/1/01	Compliance Achieved	4/10/01
IA6762043 UTE WATER SUPPLY		Population:	378	County: MONONA	
Dacthal (DCPA)	Routine Major	2002-00374	10/1/01	Compliance Achieved	2/7/02
IA1509747 VALLEY COUNTRY KITCHEN		Population:	216	County: CASS	
Coliform, Total (TCR)	Routine Major	2001-02788	4/1/01	Compliance Achieved	9/19/01
Nitrate (as N)	Routine Major	2001-02945	4/1/01	Compliance Achieved	9/19/01
Coliform, Total (TCR)	Routine Major	2002-00125	10/1/01	Compliance Achieved	3/27/02
Nitrate (as N)	Routine Major	2002-03791	10/1/01	Compliance Achieved	3/27/02
IA3338500 VALLEY HIGH SCHOOL		Population:	523	County: FAYETTE	
Lead	AL, 90th Percentile	2001-02498	1/1/01	BCA issued	8/21/01
Lead	AL, 90th Percentile	2001-03452	7/1/01	BCA issued	8/21/01
IA3181600 VALLEY HILL COURT, INC.		Population:	85	County: DUBUQUE	
Coliform, Total (TCR)	Routine Major	2001-02595	5/1/01	Compliance Achieved	7/5/01
IA4300601 VALLEY VIEW WATER ASSOCIATION		Population:	64	County: HARRISON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02524	6/1/01	Compliance Achieved	1/2/02
IA0685045 VAN HORNE WATER WORKS		Population:	716	County: BENTON	
Sodium	Routine Major	2002-00381	1/1/99	Compliance Achieved	2/26/02
Sodium	Routine Major	2002-00402	1/1/99	Compliance Achieved	2/26/02
Arsenic	Routine Major	2002-00407	1/1/01	Compliance Achieved	2/26/02
Arsenic	Routine Major	2002-03700	1/1/01	Compliance Achieved	2/26/02
IA3100606 VERDE INVESTMENTS-SPRING VALLEY PK		Population:	135	County: DUBUQUE	
Di(2-Ethylhexyl) Adipate	Routine Major	2001-03347	7/1/96	Compliance Achieved	8/27/01
Di(2-Ethylhexyl) Phthalate	Routine Major	2001-03348	7/1/96	Compliance Achieved	8/27/01
IA1716202 VISTA STORES #1021		Population:	27	County: CERRO GORDO	
Coliform, Total (TCR)	Routine Major	2001-02127	1/1/01	NOV issued	4/20/01
IA5625146 WABASH NATIONAL CORP - FT MADISON PLANT		Population:	468	County: LEE	
Nitrate (as N)	MCL, Single	2001-01319	1/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-01612	2/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-01819	3/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-02198	4/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-02470	5/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-02554	6/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-03094	7/1/01	Compliance Achieved	9/26/01
Nitrate (as N)	MCL, Single	2001-03456	8/1/01	Compliance Achieved	9/26/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03470	8/1/01	Compliance Achieved	9/26/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA4802301 WALDENBURG COMMUNITY WATER SYSTEM	Population:	90	County: IOWA		
Gross Alpha, excluding Rn & U	MCL, Average	2001-02530	7/1/97	BCA issued	6/26/01
Gross Alpha, excluding Rn & U	Routine Major	2002-04038	7/1/01	Compliance Achieved	11/15/01
Gross Alpha, excluding Rn & U	MCL, Average	2002-04039	10/1/01	BCA issued	3/13/02
IA7856901 WALLACE FOUNDATION LEARNING CENTER	Population:	28	County: POTTAWATTAMIE		
Coliform, Total (TCR)	MCL (TCR), Monthly	2002-04026	10/1/01	NOV issued	12/14/01
IA7872062 WALNUT MUNICIPAL UTILITIES	Population:	877	County: POTTAWATTAMIE		
Coliform, Total (TCR)	Routine Major	2001-02848	6/1/01	Compliance Achieved	7/19/01
IA2320850 WAPSI OAKS COUNTRY CLUB	Population:	55	County: CLINTON		
Coliform, Total (TCR)	Routine Major	2002-00248	7/1/01	Compliance Achieved	10/2/01
IA5307200 WAPSIPINICON COUNTRY CLUB	Population:	85	County: JONES		
Coliform, Total (TCR)	Routine Major	2002-00486	7/1/01	Compliance Achieved	10/2/01
IA3600918 WAUBONSIE ST PK (BRIDLE TRAIL)	Population:	66	County: FREMONT		
Nitrate (as N)	Routine Major	2002-00675	10/1/00	Compliance Achieved	7/9/01
IA3629932 WAUBONSIE ST PK (OVERLOOK WELL)	Population:	229	County: FREMONT		
Nitrate (as N)	Routine Major	2002-00723	10/1/00	Compliance Achieved	7/9/01
IA9276096 WELLMAN MUNICIPAL WATERWORKS	Population:	1393	County: WASHINGTON		
Gross Alpha, excluding Rn & U	MCL, Average	2001-01882	4/1/97	BCA issued	10/12/01
Radium, Combined (226, 228)	MCL, Average	2001-01883	4/1/97	BCA issued	10/12/01
IA5715601 WENDY OAKS MHP	Population:	41	County: LINN		
Coliform, Total (TCR)	Repeat Major	2001-02239	3/1/01	Compliance Achieved	7/25/01
Arsenic	Routine Major	2001-03039	7/1/00	Compliance Achieved	8/30/01
Sodium	Routine Major	2001-03040	7/1/98	Compliance Achieved	8/30/01
IA5208600 WESTERN HILLS (MOBILE) ESTATES	Population:	811	County: JOHNSON		
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03661	9/1/01	Compliance Achieved	3/14/02
Coliform, Fecal	MCL (TCR), Acute	2002-00019	9/1/01	Compliance Achieved	3/14/02
IA7820401 WESTFAIR	Population:	301	County: POTTAWATTAMIE		
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02669	4/1/01	Compliance Achieved	6/30/02
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-02670	4/1/01	Compliance Achieved	6/30/02
Coliform, Total (TCR)	Routine Major	2002-00662	10/1/01	Compliance Achieved	6/27/02
Coliform, Total (TCR)	Routine Major	2002-03816	10/1/01	Compliance Achieved	6/27/02
IA7589008 WESTFIELD WATER SUPPLY	Population:	189	County: PLYMOUTH		
Sodium	Routine Major	2001-02172	4/1/98	Compliance Achieved	5/14/01
Arsenic	Routine Major	2001-02173	4/1/00	Compliance Achieved	5/14/01
IA2458023 WESTSIDE WATER SUPPLY	Population:	327	County: CRAWFORD		
Lead	Routine Tap	2002-04888	6/30/01	NOV issued	6/10/02
Copper	Routine Tap	2002-05969	10/1/00	NOV issued	6/10/02
IA4884023 WILLIAMSBURG PUBLIC WATER SUPPLY	Population:	2622	County: IOWA		
Nitrite (as N)	Routine Major	2001-02621	5/1/01	Compliance Achieved	6/12/01
IA1700901 WILLOW POINTE	Population:	50	County: CERRO GORDO		
Sodium	Routine Major	2002-03725	10/1/98	Compliance Achieved	10/25/01
Arsenic	Routine Major	2002-03726	10/1/00	Compliance Achieved	10/25/01
IA2300607 WINDING BROOK MOBILE HOME PARK	Population:	150	County: CLINTON		
Sodium	Routine Major	2001-02161	4/1/98	Compliance Achieved	5/9/01
Arsenic	Routine Major	2001-02162	4/1/00	Compliance Achieved	5/9/01
Coliform, Total (TCR)	Routine Major	2001-03599	8/1/01	Compliance Achieved	9/19/01

ANALYTE NAME	VIOLATION NAME	VIOLATION NUMBER	COMPLIANCE BEGIN DATE	ENFORCEMENT ACTION	DATE OF ACTION
IA9233201 WINDMILL RIDGE CAMPGROUND		Population:	27	County: WASHINGTON	
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03106	7/1/01	NOV issued	7/27/01
Coliform, Total (TCR)	MCL (TCR), Monthly	2001-03163	8/1/01	NOV issued	8/28/01
IA5748300 WINDY RIDGE WELL ASSOCIATION		Population:	58	County: LINN	
Coliform, Total (TCR)	Routine Major	2001-02005	3/1/01	Compliance Achieved	4/27/01
IA4493882 WINFIELD IMPLEMENT CO., LTD		Population:	45	County: HENRY	
Nitrate (as N)	Routine Major	2002-00559	1/1/01	Compliance Achieved	2/11/02
IA6171029 WINTERSET MUNICIPAL WATERWORKS		Population:	4768	County: MADISON	
Nitrate (as N)	MCL, Single	2001-01901	4/1/01	Compliance Achieved	12/20/01
Nitrate (as N)	MCL, Single	2001-02236	5/1/01	Compliance Achieved	12/20/01
Nitrate (as N)	MCL, Single	2001-02637	6/1/01	Compliance Achieved	12/20/01
IA3218901 WOLDEN RECREATION AREA		Population:	53	County: EMMET	
Coliform, Total (TCR)	Routine Major	2002-03847	7/1/01	Compliance Achieved	10/3/01
IA2576036 WOODWARD WATER SUPPLY		Population:	1200	County: DALLAS	
Arsenic	Routine Major	2002-00254	1/1/01	Compliance Achieved	1/23/02

For Additional Information, contact:

Charlotte Lafargue Henderson	Environmental Specialist Senior <i>charlotte.henderson@dnr.state.ia.us</i> EPA Reporting, SDWIS Data Quality, Annual Compliance Report, Laboratory Certification	515/725-0341
Hal Frank	Environmental Specialist <i>hal.frank@dnr.state.ia.us</i> SDWIS Data Management	515/725-0342
Joe Zerfas	Environmental Specialist Senior <i>joe.zerfas@dnr.state.ia.us</i> SDWIS Administrator	515/725-0343
John Vedder	Environmental Specialist Senior <i>john.vedder@dnr.state.ia.us</i> Operation Permits	515/725-0281
Diane Moles	Executive Officer <i>diane.moles@dnr.state.ia.us</i> Rules Development	515/725-0281
Dennis Alt	Water Supply Section Supervisor <i>dennis.alt@dnr.state.ia.us</i>	515/725-0275

Fax number for the above: 515/725-0348

Mailing Address for the above persons:

Iowa Department of Natural Resources
Environmental Protection Services
Water Supply Section
Attn.: _____
401 SW 7th St., Suite M
Des Moines, IA 50309-4611

